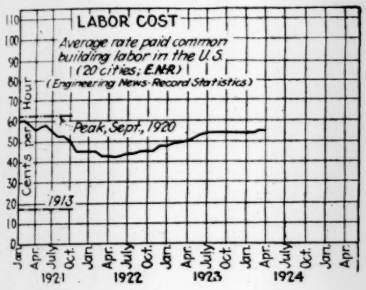
CONSTRUCTION NEWS

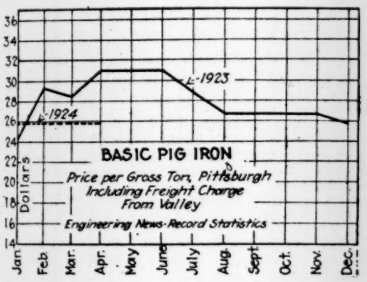
Engineering News-Record, April 3, 1924

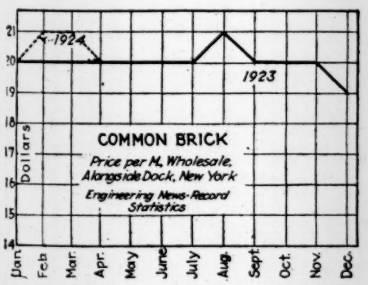
The Construction Barometer

Buying Is Slow With Price Concessions Obtainable—Danger of Price Rise Due to Limited Stocks of Materials

ALTHOUGH materials' reserves are limited, particularly in dealers' warehouses, there is little tendency to purchase for replenishment of stocks. Buying is slow and price concessions are to be met with in most of the basic materials. The lumber market is quiet and about the only steel items active at the present time are railway supplies and structural shapes. Cement and brick, however, are reported as being in better demand. Advancing labor cost is confined to the skilled trades as some unemployment in unskilled and semi-skilled labor has been reported to *Engineering News-Record* during the week. Materials stocks can not get too close to the "boards" without a revival of demand. The increased demand, however, will be immediately reflected in rising prices.






1924
1923
COMMON BRICK
Price per M, Wholesale, Alongside Dock, New York
Engineering News-Record Statistics
Dollars
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.

Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Mar. 13	$18,513,000	$13,398,000	$31,911,000
Mar. 20	17,126,000	31,125,000	48,251,000
Mar. 27	28,345,000	23,151,000	51,496,000
3 weeks	$63,984,000	$67,674,000	$131,658,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

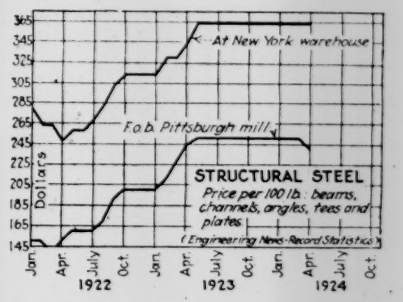
Week Ended	Public No.	Public Work	Private No.	Private Work
Mar. 13	10	4,251,000	35	11,575,000
Mar. 20	13	4,152,000	62	24,070,000
Mar. 27	15	3,416,000	33	17,317,000
3 weeks	38	$11,819,000	130	$52,962,000

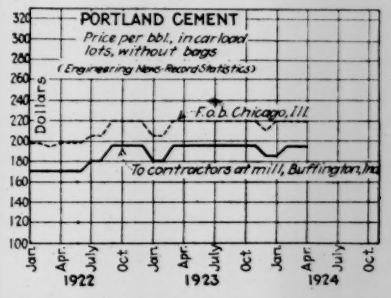
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

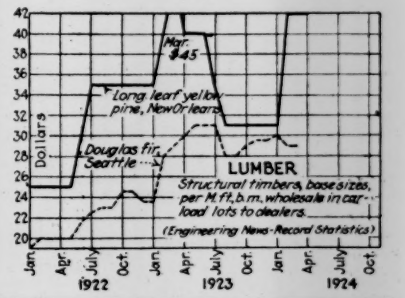
Week Ended	Private	All Buildings	Public Streets and Roads	Public Waterworks and Sewers	All Public
Mar. 13	41	64	71	40	227
Mar. 20	40	64	81	47	256
Mar. 27	28	50	99	41	262

PRICE DECLINES PREDOMINATE

	Quoted on Apr. 3 at	Price was	On
Structurals, Pittsburgh, 100 lb.	@2.50	@2.50	Mar. 13
Cement, Chi. net bbl.	2 20	2.10	Jan. 24
Pine, N. Y. m. ft.	64.00	65.00	Mar. 13
Fir, San Fran., M. ft.	36.00	38.00	Jan. 24
Common labor, hr.	.55	.54	Feb. 28







Proposals will appear next week as usual

Waterworks

PROPOSED WORK

N. J., Allenhurst—Boro plans to purchase oil engine air compressor and centrifugal pump for Water Dept. $14,000. M. D. Pyle, clk. Engineer not selected.

Pa., Pottsville — Pottsville Water Co. plans 500 m.g. storage reservoir, steam operated pumping station with horizontal cross compound crank and fly wheel unit. $1,000,000.

Fla., Cocoanut Grove—Election Apr. 15, $230,000 bonds, waterworks, incl. wells, water softening plant, pumping station, machinery and distribution system. G. A. Main, Cocoanut Grove, engr.

Fla., St. Petersburg — Election May 20, $125,000 bonds, waterworks and main extensions. E. Kitchen, St. Petersburg, engr.

Ala., Birmingham—Birmingham Waterworks Co., 2114 First Ave., sold $500,000 stock for waterworks improvements: $120,000 will be used for 16-in. additional main to West End and Central Park and $40,000 for 8 concrete filters at Shades Mountain. J. C. Adams, pres.

O., Columbus—See "Streets and Roads."

Mich., Port Huron—Having plans prepared 5,000 ft. 6 and 8 in. c.i. mains, 25 m.g. turbine driven centrifugal pump, $100,000. E. R. Whitmore, City Hall, Detroit, engr.

Wis., Tigerton — Making plans waterworks, incl. small dam. $20,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Wis., Two Rivers — Plans 2 electric pumps at pumping station. $5,000. J. Doleysh, clk. Engineer not selected.

Minn., Le Sueur—Making plans waterworks system. $25,000. J. A. Morgan, clk. R. W. Richardson, 301 Zenith Bldg., St. Paul, engr.

Minn., Wadena—Plans new waterworks system. $25,000. A. Groine, clk. Engineer not selected.

Kan., Wichita—Soon takes bids 75,000 ft. 6- and 8-in. c.i. mains and 300,000 gal. storage tank. P. L. Brockway, City Bldg., engr. Noted Sept. 27.

Neb., Hay Spring—Making plans waterworks system. $20,000. Henningson Eng. Co., 3rd floor Natl. Bank Bldg., Omaha, engrs. Noted Feb. 21.

Mo., Kennett — Voted $17,000 bonds waterworks extensions, and $18,000 bonds sanitary sewer extensions.

Tex., Floresville — Election latter part April, $40,000 bonds, reservoir, pumps, main extensions, etc. Municipal Eng. Co., Praetorian Bldg., Dallas, engrs.

Tex., Kemp — Having plans prepared mains, equipment, etc. $25,000. H. N. Roberts, Court House, Lubbock, engr.

Waterworks (Continued)

Ore., Seaside—Takes bids about May 26, pipe lines, reservoir, and head works. $160,000. L. C. Rogers, city engr.

Okla., Tulsa—Preparing plans concrete slope protection on banks Mohawk Reservoir. $80,000. C. Schultz, City Hall, engr.

Calif., Anaheim—Plans to vote on $110,000 bonds extending water system.

Calif., Culver City—Plans to vote on $300,000 bonds, waterworks improvements. Olmsted & Gillelen, Hollingsworth Bldg., Los Angeles, consult. engrs. Noted Mar. 20.

Calif., San Bernardino—Plans to vote on $275,000 bonds for water storage project in Devils Canyon. C. E. Johnson, city engr.

Calif., Vernon (Watts P. O.)—South Los Angeles Water Co., 1109 East 63rd St., plans improvements and extensions. $150,000.

BIDS DESIRED

N. Y., Binghamton—Apr. 9, by Bd. Contr. & Supply, mains in 8 streets. $83,000. Noted Mar. 20.

N. Y., Elmira—Elmira Water Bd., City Hall, taking bids 105 tons 12 in. Class B c.i. pipe, A. W. W. A. specifications.

N. Y., Troy—Apr. 4, by Bd. Contr. & Supply, 13,000 lb. 4 in. and 20,000 lb. 6 in. B and S Class B c.i. pipe, also 22,976 lb. c.i. fittings.

N. J., Pennington—Apr. 7, by Boro Council, 1,100 lin.ft. 6 in. c.i. mains and 2 fire hydrants. $25,000. H. L. Laning, 100 South Main St., engr. Noted Jan 10.

Pa., Dubois—Apr. 15, by J. C. Weaver, city clk., extensions to intake, Contr. 1, earth and rock fill causeway Contr. 2, 12 in. pipe line Contr. 4, raising Anderson Dam Contr. 5; adv. E. N.-R. Apr. 3.

Md., Baltimore—Apr. 9, by Bd. Awards, motor-operated pumps and c.i. piping in Pumping Station 1. B. L. Crozier, City Hall, highway engr.

O., Cleveland—Apr. 11, mains in Woodland Ave., Sect. W, Contr 30 W. To exceed $100,000. A. V. Ruggles, City Hall, engr.

O., Steubenville—Apr. 7, by R. P. Price, dir. Pub. Serv., 6,746 ft. 6 and 8 in. c.i. pipe, twenty-five 6 in. single gates for fire plugs, thirty 42- to 54-in. gate valve boxes complete for 6 in. gates, etc., f.o.b. Steubenville. B. M. Smith, clk.

O., Put-in-Bay—Apr. 9, 4,335 ft. 8 in. c.i. mains.

Ill., Metropolis—Apr. 24, by A. N. Starkes, mayor, waterworks system and electric light improvements. W. A. Fuller Co., Railway Exch. Bldg., St. Louis, Mo., engrs.; adv. E. N.-R. Apr. 3. Noted Mar. 27.

Wis., Milwaukee—Apr. 7, by Central Bd. of Purchase, City Hall, 3 chlorine control machines for Riverside pumping station.

Wis., Milwaukee—Apr. 7, by Central Bd. Purchases. City Hall, 3,295 tons plain straight pipe, incl. some double spigot pieces, 338 tons lugged straight pipe, 175 tons special castings, all c.i. Class C.

Wis., West Allis—See "Sewers."

Minn., Mankato—Apr. 7, by F. W. Bates, city clk., 273 tons 6-in. c.i. pipe as follows: 1,200 lengths bell and spigot Class C in 12-ft lengths, and 80 pieces spigot and plain end Class C, in 12-ft. lengths, 6.75 tons Class D specials.

Minn., Milan—Apr. 8, waterworks system, 750 lin.ft. 6-in. and 500 lin.ft. 4-in. c.i. mains, 3 hydrants, 1,600 lb. special castings, 6 valves and boxes, 1 centrifugal pump 100 g.p.m., 35,000 gal. steel tank. $15,000. J. A. Rowat, Willmar, engr.

Minn., Rochester—Apr. 7, by Pub. Utility Bd., laying 7,000 lin.ft. mains (labor only), excavation and backfilling. L. P. Wolff, 1000 Guardian Life Bldg., St. Paul, engr. Noted Feb. 28.

Kan., Topeka—See "Streets and Roads."

Wyo., Casper—Apr. 14, by City Council or City Clerk, distribution reservoir, incl. 57,600 cu.yd. earth excav., 50 cu.yd. rock excav., 1,800 cu.yd. rein-con in walls, 1,985 cu.yd. rein.-con. in floor paving, 346,000 lb. reinforcing, 3,800 lin.ft. expansion joint material, 25,000 sta.yd. overhaul. $108,000. E. W. Fasset, city engr. Noted Feb. 7.

Mo., Ava—Apr. 11, by Russell & Axon, engrs., McDaniels Bldg., Springfield, 4, 6 and 8 in. c.i. and 2 in. galvanized pipe for water distribution system, here, for city. $20,000. Noted Feb. 7.

Tex., Crosbyton—S. W. Cooper, city secy., taking bids waterworks improvements. $22,000. Baker & Von Zuben, Ellison Bldg., Ft. Worth, engrs.

Tex., Ft. Worth—Apr. 8, by C. S. Snow, city secy., 2,000 miscellaneous water meters. D. L. Lewis, city engr.

Wash., Lynden—Taking bids filtration plant and 100,000 gal. steel tank. $32,000 bonds voted. Noted Dec. 6.

Calif., South Pasadena (Branch of Pasadena)—Apr. 14, by City Trustees, 7,000,000 gal. reservoir, 4 in. concrete lining throughout. Alternative bids will be taken on 6 in. concrete floor and 4 in. sidewalls. R. B. Orbison, city mgr.

BIDS RECEIVED

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, Mar. 27, mains in Fillmore, Island, Narrows and Williams Aves., Aves. N, P and Y, Delamere, Elmore and Kenmore Places, Banker, Douglass, Hendrickson, Herzl, Percival, Smith, 54th, 56th, 63rd, 73rd, 77th, 94th, East 12th, East 27th, East 93rd, West 6th, West 11th and West 12th Sts., etc., here, from Grippo Contg. Co., $24,300. Noted Mar. 20.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Mar. 27, mains in Washington, Wilson, 4th, 6th, 7th and 9th Aves., Chauncey, Front, 4th, Hancock, Kindred, Marion and Sherman Sts., here, from S. Gallucci, $14,000. Noted Mar. 20.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Ava Pl., Putney Rd., 6th, 13th, 33rd, 35th and 72nd Aves., Gardiner, 4th, 6th, 16th, 19th, 160th, 161st, 202nd and 203rd Sts. from Stanhy Constr. Co., $10,961. Noted Mar. 20.

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, Mar. 26, mains in Dickens, Dix and Mott Aves., etc., here, from G. V. Cronell, $9,460. Noted Mar. 20.

N. Y., New York—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Mar. 28, mains in Blair, Crosby, Ferris and Lawton Aves., etc., from Paladino Contg. Co., 437 East 120th St., $18,739; in Britton, Bronxwood and Duncom Aves., etc., from Knight & Demicco, Inc., 448 East Tremont Ave., $12,045. Noted Mar. 20.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, Mar. 26, mains in Lookout and Pelton Aves., etc., here, from F. J. Kelly & Co., 186 Joralemon St., Brooklyn, $248,000. Noted Mar. 20.

N. J., Trenton—From Lead Lined Pipe Co., Wakefield St., Boston, Mass., lead lined couplings, about two thousand ¾ in. $0.17, three hundred 1 in. $0.22, lead lined pipe, 2,500 ft. ¾ in. $0.22, about 5,000 ft. 1 in. $0.30, lead lined nipples about 1,400 ft. ¾ x 4 in. $0.22, about 250 ft. 1 x 6 in. $0.30; from Warren-Balderston Co., Greenwood Ave., 1,500 corporation cocks $2.25 each; from Leadite Co., Land Title Bldg., Phila., about 14,000 lb. leadite $0.12; from United Lead Co. of Pennsylvania, 226 South 5th St., Phila., about 6,000 lb. pig lead $0.07 and $0.09; from J. E. Thropps Sons Co., Lewis St., 250 street valve boxes $46 each; from U. S. Cast Iron Pipe & Fdry. Co., Morris Bldg., Phila., c.i. pipe, about 50 tons 4 in. $65.25 per ton, 358 tons 6 and 10 in. $58.25, 32 tons 12 in. $58.25, 125 tons 16 in. $58.25; from Rensselaer Valve Co., Ontario St., Troy, N. Y., Cory fire hydrants: about six 4 in. $58.58, eighteen 6 in. $72.50, ten 8 in. $88.74, hub valves about eighteen 4 in. $13.34, twenty-four 6 in. $24.36, twelve 10 in. $58. Noted Mar. 13.

Pa., Phila.—Dept. Pub. Wks., Room 216 City Hall. 9,800 lin.ft. 36 and 42 in. c.i. and steel mains in Hunting Park Ave., Contr. 664, and 550 tons 24 in. c.i. mains in 12th St., Contr. 666, from J. J. McHugh, 1617 Race St., $287,845 and $67,282 respectively; 930 tons 12 in. c.i. mains in Castor, Rahn and Cottman Sts., Contr. 665 from M. and J. B. McHugh, 892 North Markoe St., $97,772; condenser shells, piping, fittings, valves, etc., at Lardners pumping station, Contr. 667, from Acme Machine Co., 316 North 17th St., $1,850. Noted Mar. 13.

O., Cleveland—Cuyahoga Co., Mar. 19, 2,850 ft. 12 in. c.i. mains, Impvt. 49, from G. H. Randals, Lorain, $15,050. Noted Mar. 13.

O., Columbus—Franklin Co. Mar. 18, from Grant-Boulton Co., 202 Central Bank Bldg., 10,260 ft. 6- to 12-in. c.i. mains, Sewer Dist. Clinton 2 (North High St. Area), Contr. 35, $33,543; from H. E. Miller, 938 South High St., 7,266 ft. 6 in. c.i. mains, Sewer Dist. Clinton 2 (Chaseland Area), Contr. 36, $12,348, 5,565 ft. 6 and 12 in. c.i. mains, Sewer Dist. Clinton 2 (Sharon Height Area), Contr. 37, $16,825, 3,075 ft. 6 in. c.i. mains, Sewer Dist. Prairie 1 (Area 2), Contr. 38, $5,468. Noted Mar. 13.

Wis., Black River Falls—Water supply, 2 well systems, 300,000 gal. per hour, from Layne & Bowler Co., 37 West Van Buren St., Chicago, $32,000. Noted Feb. 21.

Calif., San Francisco—City and San Francisco Co., pumping equipment for Pulgas plant, Hetch Hetchy Project, from De Laval Steam Turbine Co., Rialto Bldg., $5,125. Noted Mar. 13.

CONTRACTS AWARDED

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., centrifugal pumps, motors, etc., to A. J. Abels Co., Inc., Iroquois Bldg., $67,407. Noted Mar. 6.

N. Y., Silver Creek—Bd. Water Comrs., reservoir, to J. P. Morrissey, Dunkirk, $75,000. Noted Sept. 27.

Md., Baltimore—Bd. Awards, valves and hydrants to Water Dept., to A. P. Smith Mfg. Co., Norman St., East Orange, N. J., $54,117.

S. C., Newberry—System consisting of intake pumping station, 1 m.g.d. service reservoir, coagulating basin, two 500,000 gal. concrete filters and 14,000 ft. 12 in. main, to Guion & Withers, Gastonia, N. C., $112,000. Noted Mar. 6.

O., Cleveland—Cuyahoga Co., 24,000 ft. 6, 8 and 10 in. c.i. mains, Impvt. 48, to Salem & George Bros., Erie Bldg., $110,412. Noted Mar. 20.

O., Cleveland—Cuyahoga Co., 17,000 ft. 6 and 8 in. c.i. mains, Impvt. 42, to J. B. Lynn, Caxton Bldg., $69,040. Noted Mar. 27.

Wis., Phillips—Waterworks improvements, incl. 2 electric pumps, etc., to J. M. O'Neil, 608 Exch. Bank Bldg., St. Paul, Minn., $10,748; steel tank on steel tower, to Minneapolis Steel & Mchy. Co., 2854 Minnehaha Ave., Minneapolis, $7,689. Noted Mar. 6.

Mo., Kansas City—M. H. Raming, purch. agt., City Hall, additional water supply, Missouri Valley tunnel, Contr. 1, to Tibbets & Pleasant, 229 North Nogales St., Tulsa, Okla., $1,395,412; East Bottoms and Turkey Creek Tunnels, Contr. 2, to Byrne Bros. Constr. Co., 358 East 115th St., Chicago, $1,873,295. Noted Mar. 20.

Mo., Palmyra—For 100,000 gal. tank on 110 ft. tower, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., $8,669; disposal plant, to E. K. Ladd, 3229 Harrison St., Kansas City, $11,000. Noted Mar. 13.

Tex., Austin—Filter building with filtered water reservoir, mixing chamber, coagulation-sedimentation basin with appurtenances, incl. pipe connecting same, to J. F. Johnson, Colorado and 12th Sts., Austin, $184,800; filter equipment, to International Filter Co., 333 West 25th Pl., Chicago, $81,930. Noted Mar. 6.

Tex., Wortham—Filter plant, to G. A. Duren, Wilson Bldg., Dallas, $15,000. Noted Feb. 28.

Calif., Vernon (Watts, P. O.)—Constructing 3 m.g., 185 x 185 ft. concrete lined reservoir, to Kinne & Westerhouse, Hellman Bldg., Los Angeles, $20,500; 100,000 gal. steel tank and 100 ft. tower, to Pittsburgh-Des Moines Steel Co., Rialto Bldg., San Francisco, $9,200. Noted Mar. 20.

Calif., Santa Cruz—Constructing Bay St. reservoir, to C. Harlowe, Jr., 378 Belmont St., Oakland. Former contract rescinded. Noted Nov. 1.

Calif., Santa Monica—Trenching, furnishing, backfilling and laying pipe, to C. Fisher, Wright-Callendar Bldg., Los Angeles, portion system using riveted steel pipe $86,338; wood stave pipe $80,584, complete system, c.i. pipe $662,495; De-Lavaud pipe $647,105 (type of pipe not decided upon). Noted Mar. 20.

Sewers

PROPOSED WORK

Fla., St. Petersburg—Election, May 20, $160,000 bonds storm sewers; $54,000 for 36 in. trunk line sanitary sewers, 1st alley south to screen plant; $8,000 pumping equipment. E. Kitchen, St. Petersburg, engr.

O., Columbus—See "Streets and Roads."

Mich., Norway—Plans 5 mi. sanitary sewers, $50,000. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, engrs.

Wis., Tigerton—Making plans sanitary sewers. $40,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs.

Mo., Kennett—See "Waterworks."

Calif., Alhambra—Had plans prepared 1,276 lin.ft. 12 in. and 42,800 lin.ft. 8 in. vitr sewer, 1,430 wye branches, 137 manholes, 33 flush tanks, etc. T. B. Downer, city engr.

Calif., Anaheim—Had plans prepared 826 ft. 8 in. and 13,929 ft. 6 in. vitr. sewer pipe, etc.

Sewers (Continued)

Calif., Fairfax—Sanitary Dist. 1, Marin Co., having plans prepared 15 mi. lateral sewers. C. C. Kennedy, Call Bldg., San Francisco, consult. engr.

Calif., San Anselmo—Marin Co. Sanitary Dist. 1 having plans prepared 14 mi. lateral sewers, Fairfax Sect. C. C. Kennedy, Call Bldg., San Francisco, consult. engr.

Calif., Stockton — Had plans prepared 1,994 ft. 8 in concrete or vitr. pipe, 2,622 ft. 12 in. concrete or vitr. pipe encased in concrete, etc., in Charter and Harding Ways, etc. W. B. Hogan, city engr.

Ont., Toronto—Having plans prepared 2¼ mi. 8-30 in. vitr. tile and concrete storm and sanitary sewers in Fleet St. $90,000. R. C. Harris, city engr.

BIDS DESIRED

R. I., Providence—Apr. 28, at office E. D. Miller, city clk., building Manton Dist. Sewer, Sect. 33. J. H. Gainor, mayor and chn.; adv. E. N.-R. Apr. 3.

N. Y., New York—Apr. 8, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers in East 194th St., Edison, Harrington, Coddington, Hobart and Sedgwick Aves.

New Jersey—Apr. 11, by Union Co. Park Comn., 286 North Broad St., Elizabeth, (a) 14,000 or more lin.ft. 4 and 6 in. standard drain tile, (b) 12,000 or more lin.ft. 6- to 18-in. concrete sewer pipe (alternate b) same amount of clay sewer pipe at Warmanco Park in Elizabeth and Roselle. W. R. Tracy, engr. and secy.; adv. E. N.-R. Apr. 3.

N. J., Ventnor City—Apr. 14, by President Common Council, City Hall, 2 electric driven sewer pumps at waterworks. C. E. Reppetto, city clk.

Pa., Phila.—Apr. 16, by Dir. Pub. Wks., northeast sewerage treatment works, incl. 1 story, 27 x 42 ft. brick and steel locker building, $30,000, and 1 story, 65 x 114 ft. brick and steel heating plant, $200,000.

O., Cleveland—Apr. 10, sewers in Bellaire Rd. S. W., Cedar Ave. S. E., East Blvd., Ironwood Ave. N. E., Melville Rd., N. E., Ontario St. outlet, Parkgrove Ave. N E., Woodward Court, N. E., Harvey Ave. S. E., Kingsbury Run Sect. 1, East 139th, 185th, 187th and 188th Sts. R. Hoffman, City Hall, engr.

Wis., Milwaukee—Apr. 7, by Dept. Pub. Wks., monolithic concrete and pipe sewers. $260,000. G. Schwada, city engr.

Wis., West Allis—Apr. 11, by Bd. Pub. Wks., 11,000 ft. 8 and 10 in. sewers, also 10,000 ft. 6 and 10 in. watermains.

Minn., Ely—Apr. 15, rein.-con. sewage treatment plant. $35,000. A. O. Knutson, city clk.

Tex., Floydada—B. Bedford, city secy., taking bids sanitary sewerage system and disposal plant. Gantt Baker Co., 1116 Main St., Oklahoma City, Okla., engrs. Noted Feb. 28.

Tex., Lubbock—Apr. 15, by City Com., 3,400 ft. 18- to 24-in. tile, 23,300 ft. 27- to 78-in. concrete pipe. $200,000. Hawley & Roberts, Cotton Exch. Bldg., Ft. Worth, engrs. Noted Feb. 21.

Calif., Los Angeles—See "Streets and Roads."

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Mar. 25, from Kennedy & Smith, 93 Amity St., Flushing, sewer in Barclay St. $4,922, Ridgewood Ave. (b) $7,247; from J. Gallo, 203 Division St., Brooklyn, in Bleeker St. $1,374, Roanoke Ave. $18,018; from E. Muccinni, in Cooper Ave. $15,068, Whitlock Ave. $1,628, 86th Rd. $1,707, North Vine St. $5,216; from Green Contg. Co., 734 Vernon Ave., Astoria, Ridgewood Ave. (a) $8,354. Noted Mar. 20.

N. J., Trenton—Mercer Co. Mar. 25, 21,000 ft. 6 in. storm water drain in Robbinsville-Yardville Rd., from Grant & Driver, 56 McKinley Ave., $29,948. Noted Mar. 13.

O., Cleveland—Cuyahoga Co. Mar. 19, 23,000 ft. 8- to 42-in. vitr. sewers, Biddulph Rd. Impvt. 50, from G. F. Randals, Lorain, $107,095. Noted Mar. 13.

O., Columbus—Franklin Co., Mar. 18, 9,000 ft. 8 and 10 in. vitr. sewers, Sewer Dist. Clinton 2 (Sharon Heights Area), Contr. 39, from H. E. Miller, 938 South High St., $20,261. Noted Mar. 13.

Ill., Chicago — Bd. Trustees, Sanitary Dist. of Chicago, 910 South Michigan Ave., Mar. 6, North Side Sewage Treatment Wks., Div. D, Subdivision B, four thousand five hundred 1-in. aeration plates, from Norton Co., Worcester, Mass., $8,145. This corrects report in Mar. 20 issue.

Mo., Carthage—For 6,227 ft. 18 and 24 in. sewers, Imhoff tank and disposal plant, etc., from V. E. Koch, 14th and Texas Sts., Joplin, $100,691; sewers only, from R. McSweeney, Springfield, $28,286. Noted Mar. 20.

Calif., Los Angeles—See "Streets and Roads."

Calif., Venice—See "Streets and Roads."

CONTRACTS AWARDED

N. C., Charlotte — Sewers in various streets, to R. T. Myers Contg. Co., Lexington, $13,714 and Boyd, Higgins & Goforth, Realty Bldg., $62,920. Noted Mar. 13.

Ky., Owensboro — City, 1 mi. concrete sewer in Frederica St., to O. W. Wilkie & Co., Owensboro.

O., Cleveland—Cuyahoga Co., 29,750 ft. 8- to 36-in. vitr. sewers, Impvt. 38, to J. B. Lynn, Caxton Bldg., $176,968. Noted Mar. 27.

O., Columbus—Franklin Co. 3,715 ft. 8- to 12-in. vitr. sewer in Sewer Dist. Clinton 2 (Chaseland Area), Contr. 33, to Gaty Constr. Co., Sandusky and Mound Sts., $29,355. Noted Mar 13.

O., Warren—Sewer in Central Parkway, to Garner Bros., Youngstown, $27,104, engrs. est. $29,366; in Niles Ave., to H. Poff, Warren, $34,213, $33,562.

Mich., Royal Oak—Sanitary sewers, Laterals 23 and 25, to R. D. Baker, Penobscot Bldg., Detroit, $33,640 and $58,120 respectively; Lateral 26 to Liberty Constr. Co., Detroit Savings Bank Bldg., Detroit, $14,666; Lateral 27, to W. Blanck Co., 827 Ford Bldg., Detroit, $10,642. Noted Mar. 20.

Wis., West Allis—Storm sewers in various streets, concrete or vitr. pipe, to F. E. Kaminski, 45th Ave. Engrs. est. $25,000. Noted Mar. 20.

Ia., Clear Lake—Sewage disposal plant, 80 x 160 ft. brick building, and 42,000 lin. ft. sanitary sewers, to Gjellafald-Chapman Constr. Co., Forest City, $104,860.

Kan., Hays—Storm sewers, 4,400 ft., to H. J. Taylor Constr. Co., Belleville, $48,570. Noted Feb. 14.

Calif., Los Angeles—See "Streets and Roads."

Calif., Pasadena—Outfall sewer, rein.-con. pipe, from sewage treatment plant at City Farm to Rio Hondo, to Heafey-Moore-McNair, 2030 High St., Oakland, $118,720. Noted Mar. 20.

Waste Disposal

BIDS DESIRED

Va., Norfolk—Apr. 5, by W. H. Taylor, dir. Pub. Wks., incinerator near Princess Anne Ave.

Bridges

PROPOSED WORK

Maine—State Hy. Comn., Augusta, plans concrete bridges as follows: Holt Stream Bridge in Norway, 20-ft. span; Passacomaway Bridge over Cape Neddick River, in York, 128-ft., 3 spans; Mile Stream Bridge in Howland, 20-ft. span; Upper Corner Bridge over Narraguagus River, at Cherryfield, 254-ft., 5 spans; Fernald Bridge over Pushaw Stream, in Alton, 67-ft., 3 spans; bridge over Barker Brook in Lisbon, 12-ft. span. P. D. Sargent, ch. engr.

Fla., Miami — Dade Co. had estimates made widening causeway, viaducts, $600,000; Snapper Creek Bridge, $30,000. H. Crabtree, Miami, engr.

Fla., St. Petersburg — Election May 20, $85,000 bonds, 5 bridges. E. Kitchen, St. Petersburg, engr.

Tenn., Nashville—City rejected bids repairing and improving bridges over Cumberland River on Sparkman and Jefferson Sts. $300,000. Freeland, Roberts & Co., Independent Life Bldg., engrs. Noted Feb. 21.

Ky., Lothair—Baker Bros., Hazard, soon takes bids steel bridge over Kentucky River, here. $25,000.

O., Cleveland—See "Unclassified."

Kan., Kansas City—City and Kansas City Terminal R.R. Co., Kansas and Adams Sts., soon take bids 1,965 ft. viaduct, concrete and steel, 36 ft. roadway, woodblock paving. $450,000. H. V. Hanna, ch. engr. railway.

Wash., Everett—Comrs. Snohomish Co., plan wood and steel span near Sultan, $25,000.

BIDS DESIRED

Connecticut—See "Streets and Roads."

N. Y., Scarsdale—Apr. 17, by Bronx Parkway Comn., 72 West Pondfield Rd., Bronxville, constructing Bronx River Parkway Dr. Bridge 28, over tracks New York Central R.R. and lake, here. J. Downer, engr. and secy.; adv. E. N.-R. Apr. 3.

Pa., Pittston—Apr. 21, by P. J. Schmidt, controller Luzerne Co., (Wilkes-Barre) 1,120 ft. rein.-con. bridge, 45 ft. wide, over Susquehanna River, here. $600,000. D. A. Keefe, Athens, consult. engr.

Ga., Macon—City and Central of Georgia R.R. Co., 233 West Broad St., Savannah, taking bids steel viaduct on 13th St. $25,000. C. K. Lawrence, ch. engr.

Alabama—Apr. 18, (extended date) by State Hy. Comn., Montgomery, bridge on Birmingham-Montgomery Rd., Federal Aid Project 100, Chilton Co., 542.6 cu.yd. Class A and 56.5 cu.yd. Class B concrete, 89,370 lb. reinforcing, etc. W. S. Keller, state highway engr. Noted Mar. 6.

Miss., Greenville — May 8, by Bd. Supervs. Washington Co., at office Chancery Clerk, 330 ft. bridge on Federal Aid Project 166, two 90 ft. and one 150 ft. steel truss spans. H. C. Dietzer, c/o State Hy. Dept., Jackson, engr.

Ohio—Apr. 11, by Dept. Highways and Pub. Wks., Columbus, steel bridge on Sect. "D" Youngstown-Conneaut Rd., Ashtabula Co., $6,474; steel bridge on Sect. "C" Windsor-Geneva Rd., Ashtabula Co., $7,773; concrete bridge on Sect. "D" Athens-Nelsonville Rd., Athens Co., $18,748; bridge on Sect. "F" Piqua-Sidney Rd., Miami Co., $8,534. A. V. Donaheys, dir. highways.

Ohio—See "Streets and Roads."

O., Lakewood—Apr. 23, by Cuyahoga Co., Court House, Cleveland, bridge over Rocky River, on Hilliard Rd., here. A. J. Hieber, clk. Noted Oct. 18.

Mich., Whitecloud — Apr. 10, by Bd. Newaygo Co. Rd. Comn., constructing Bridge 622403, 50 ft., concrete and steel, 118.1 cu.yd. Class A and 98.6 cu.yd. Class C concrete, 26,525 lb. steel.

Ill., Aurora—Apr. 14, by City Council, constructing Benton St. and Holbrook St. bridges. J. P. Wetz, city clk.; adv. E. N.-R. Apr. 3.

Wisconsin—See "Streets and Roads."

Wis., Eau Claire — See "Streets and Roads."

Tex., Houston — Apr. 14, by Comrs. Harris Co., concrete trestle bridge and 2 culverts on Sims Bayou and Telephone Rd. $25,000. Howe & Wise, co. engrs. Noted Feb. 21 under "Streets and Roads."

Calif., Ventura—See "Streets and Roads."

BIDS RECEIVED

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., Mar. 27, reconstructing, renewal and protection of Elk St. viaduct over tracks of New York, Chicago & St. Louis R.R., also Elk-Abbott viaduct over tracks of Erie R.R., from Independent Bridge Co., May Bldg., Pittsburgh, Pa., $159,400 and $65,800 respectively; Van Rennselaer St. viaduct over tracks of Erie R.R., from Amer. Bridge Co., 1509 Guardian Bldg., Cleveland, O., $48,660; Fulton St. viaduct (foot bridge) over tracks of Lake Shore & Michigan Southern R.R., from E. Krumheuer, 65 Norwalk Ave., $5,988. Noted Mar. 6.

Missouri—State Hy. Dept., Jefferson City, Mar. 21, 90 ft. steel truss and four 25 ft. I-beam spans, 2 rein.-con. piers, etc., over Salt Fork Creek, Saline Co., from Missouri Bridge & Iron Co., Fullerton Bldg., St. Louis, $18,622; two 20 ft. reinforced slabs, one 60 ft. steel deck girder, eight 40 ft., one 35 ft. and two 28 ft. rein.-con. deck girder spans, etc., over Salt Fork Creek and tracks of Missouri, Kansas & Texas R.R., Howard Co., from Acme Engineers, Decatur, Ill., $48,574; three 35 ft. rein.-con. deck girder spans over Isle Du Bois Creek, and three 35 ft. rein.-con. deck girder spans over Joe Branch, St. Genevieve Co., from C. P. O'Reilley & Co., Wainright Bldg., St. Louis, $22,753. Noted Mar. 13.

CONTRACTS AWARDED

Mass., Springfield—Bridge Comn., steel work for superstructure of bridge over Connecticut River between here and West Springfield, to American Bridge Co., 30 Church St., New York City, $520,371; strengthening and replacing piers for bridge to P. T. Cox Contg. Co., 154 Nassau St., New York City, $353,818. Noted Mar. 6.

O., Cleveland — Replacing wood block floor, timbers and steel work on bridge, East 34th St., to Forschner Co., East 10th St. and St. Clair Ave., $45,000.

Illinois—See "Streets and Roads."

Wis., Reedsburg—Reedsburg Bridge, to Fifield Constr. Co., Waterloo, Ia., $38,633,

Bridges (Continued)

additional concrete masonry in substructure as on plans at no greater depth $35, additional concrete masonry in substructure, same classification, as on plans at greater depth $35, reduction of quantity of concrete from that shown on plans $15. Noted Mar. 20.

Minn., Blakely — F. Hoppenstedt, aud. Sibley Co. (Gaylord), three 140-ft. steel truss spans, concrete abutments, over Minnesota River, here, for Scott and Sibley Counties, to Pittsburgh-Des Moines Steel Co., 10th and Tuttle Sts., Des Moines, Ia., $50,800. Noted Mar. 6.

Minn., Duluth—Duluth, Missabe & Northern Ry., West 1st St., 264 ft. bridge on St. Louis Bay, here, to Mead-Morrison Co., 53 West Jackson Blvd., Chicago, $200,000.

N. D., Mason—Great Northern Ry. Co., 5th and Jackson Sts., St. Paul, Minn., will build one 70 ft. and two 40 ft. deck girder spans, concrete piers, by day labor. $30,000.

Mo., Brimson—Brimson D. D., four 140 ft. steel and concrete spans, 16 ft. roadway, and one 120 ft. steel and concrete span, 12 ft. roadway, to Pittsburgh Des Moines Steel Co., Tuttle and S. W. 10th St., Des Moines, Ia., $31,088.

Dams

PROPOSED WORK

Wis., Tigerton—See "Waterworks."

Calif., Oroville—See "Unclassified" under "Hydro-Electric Development."

BIDS DESIRED

Vt., Morrisville—See "Unclassified."

BIDS RECEIVED

Wash., Tacoma — I. S. Davisson, comr. light & water, Mar. 27, constructing Cushman Dam and appurtenant works on north fork of Skokomish River, Mason Co., from A. Guthrie & Co., Inc., Sherlock Bldg., Portland, Ore., $881,193. Noted Mar. 6.

Railways

PROPOSED WORK

New York — New York Central R.R., Grand Central Terminal, New York City, plans double track from Pulaski to Woodard, about 30 mi. To exceed $200,000. G. W. Kittredge, ch. engr.

Florida—Florida East Coast Ry., St. Augustine, plans double tracking main line from Jacksonville to Miami. H. N. Rodenbaugh, genl. mgr. W. G. Brown, engr. M. W.

Florida—City of St. Petersburg election May 20, $136,000 bonds, reconstructing street car tracks. E. Kitchen, St. Petersburg, engr.

Mississippi — Mississippi Southern R.R., Lumberton, soon takes contract laying 14 mi. standard gauge railroad from Pass Christian to Kiln, to connect with Louisville & Nashville R.R. C. L. Skatvold, Lumberton, ch. engr.

Ohio—Toledo, Bowling Green & Southern Traction Co., 196 South St. Clair St., Toledo, plans 2 mi. street railway tracks at Bowling Green. $60,000.

Arkansas—Prescott & Northwestern R.R., Prescott, soon takes bids 26 mi. extension into Nevada Co. oil fields. T. P. Meadors, secy.

Texas—Texas Rapid Transit Co., Moore Bldg., San Antonio, making plans gas electric interurban line (standard gauge) from San Antonio to Austin, via Seguin, etc., (first unit from San Antonio to Seguin). $150,000. E. G. Potter, Moore Bldg., engr.

Oklahoma—Beaver, Meade & Englewood R.R. Co., Grain Exchange Bldg., Oklahoma City, soon takes bids 39 mi. extension from Forgan to Hooker, standard 75-lb. rail on macadam and chat roadbed, etc. $559,500. C. J. Turpen, genl. agt.

California — Atchison, Topeka & Santa Fe Ry., Kerchkoff Bldg., Los Angeles, appropriated $350,000, reballasting road between Calwa and Corcoran, replacing 75 lb. with 90 lb. rails and other improvements. R. B. Ball, ch. engr. coast lines.

Calif., Loyalton—See "Industrial Work." P. W.

BIDS DESIRED

Arkansas—Apr. 10, by G. T. Weigart, genl. mgr. Batesville White Lime Co., Batesville, 36 in. gauge railroad; 600 cu. yd. rock and 22,000 cu.yd. earth excav., 624 ft. pile trestle, 1,260 lin.ft. penetration, 12,812 lin.ft. track laying, lining and surfacing. Private plans.

California—Eng. Dept. of Southern Pacific Co., 65 Market St., San Francisco, receiving bids constructing northern end of Natron-Cut Off near Klamath Falls, 15 mi. G. W. Boschke, ch. engr.

BIDS RECEIVED

New York—Transit Comn., 49 Lafayette Ave., New York, Mar. 28, installation tracks for portion of 14th St.-Eastern Line, from T. H. Reynolds Constr. Co., 50 Park Pl., New York, $22,513. Noted Mar. 20.

Excavation, Drainage, Irrigation

PROPOSED WORK

Fla., St. Petersburg—Election, May 20, $25,000 bonds, enlarging drainage ditches. E. Kitchen, St. Petersburg, engr.

O., Cleveland—See "Unclassified."

Okla., Bixby — Bixby D. D. plans new drainage district in Bixby Twp. $60,000. T. M. Clonts, Muskogee, engr.

Ariz., Buckeye—Buckeye Irrigation Dist. to vote on $1,000,000 bonds for weir with concrete retaining walls, 2,800 ft. long, 8 ft. high, on Gila River, also 30 mi. of drainage ditches. C. K. Fox, I. W. Hellman Bldg., Los Angeles, consult. engr.

Calif., Long Beach—See "Unclassified."

Calif., Oroville—D. D. 200, c/o G. F. Jones, attorney, Oroville, plans to vote on $25,000 bonds, conduits, drains, sluices, water gates, embankments etc.

Calif., Richmond—See Unclassified under Park Improvements.

BIDS DESIRED

La., New Orleans — Apr. 7, by C. J. Munier, adjuster Aetna Casualty & Surety Co., 808 Whitney Bldg., completing defaulted portion Rocky Bayou D. D. canal and levee and Eden D. D. canal and levee. Original contract called for 240,000 cu.yd. on levee, and 273,000 yd. on canal in Rocky Bayou D. D. and 81,000 cu.yd. on levee and 127,000 cu.yd. on canal in Eden D. D. J. B. Williams, Yazoo City, Miss., dist. engr.

Mich., Royal Oak — Apr. 24, by C. J. Crawford, Oakland Co. drain comr., at Township Hall, Woodward Ave. and 10 Mile Rd., improving Red Run and constructing Campbell Rd. Drains. Hubbell, Hartgering & Roth, 2348 Penobscot Bldg., Detroit, engrs.; adv. E. N.-R. Apr. 3.

Neb., Norfolk—Apr. 10, by Sanitary Dist. at office J. C. Stitt, clk., Norfolk Natl. Bank Bldg., constructing Cut-off B, on North Fork of Elkhorn River, 80,000 cu.yd. drag line excav. Noted Mar. 27.

CONTRACTS AWARDED

Wis., Green Bay — Brown Co. Farm Drain, ditching and tiling in Dist. 4, Humboldt and Scott Twps., to Road Constr. Co., Wisconsin Rapids, tiling $10,825, 67,000 cu. yd. ditching $0.115 per cu.yd. Noted Mar. 13.

Tex., Waxahachie—Ellis Co. Impvt. Dist. 3, levees, sluice gates and pumping units, to Trinity Farms Constr. Co., Ennis, $62,125.

Calif., Long Beach — City, dredging in turning basin, 2,288,000 cu.yd., to United Dredging Co., Central Bldg., Los Angeles, $0.1249 per yd.; connecting channel, 1,174,000 yd., to S. F. Bridge Co., Nevada Bank Bldg., San Francisco, $0.1475 yd.; Channel 2, 1,640,000 cu.yd., to F. C. Franks Co., 260 California St., San Francisco, $0.117 yd.; Channel 3, 1,614,000 cu.yd., to Los Angeles Dredging Co. Seaside Park, Long Beach, $0.129 yd. Noted Mar. 13.

Calif., Merced—Merced Irrigation Dist., Sects. 1 and 2, Hammatt canal, 36,594 and 23,943 cu.yd. respectively, to C. L. Grubb, Modesto, earth excav. $0.13, hardpan excav. $0.13, overhaul $0.05. Noted Dec. 20.

Streets and Roads

PROPOSED WORK

N. Y., Plattsburg—Plans paving various streets. $50,000. W. E. Cross, mayor.

N. Y., Rensselaer—Making plans resurfacing 3rd Ave., East and Herrick Sts. To exceed $25,000. A. J. Kaufman, city engr.

N. Y., Tonawanda—Making plans repaving Young St. and paving Tonawanda St. To exceed $25,000. T. W. Barrally, city engr.

N. J., Trenton—Plans paving West Hanover and North Montgomery Sts. $29,800. J. E. English, City Hall, engr.

N. J., Trenton—Takes bids 1st week in May, asphalt paving various streets. $500,000. J. E. English, City Hall, engr.

Md., Baltimore—Plans paving with sheet asphalt 29th St., Lakeside, Lake and Elmley Aves., Cedardale, Edgewood, Dennison, Ellamont, Rosedale and Gordon Rds. R. K. Compton, 214 East Lexington St., chn. paving comn.

W. Va., Charleston—Kanawha Co. soon takes bids surfacing 2 mi. Campbell Creek County Rd. $25,000.

Ga., Forsyth—Voted $75,000 bonds paving streets. J. G. Webb, city clk.

Ga., Thomasville—Thomas Co. sold $50,000 bonds for roads.

Fla., St. Petersburg—Election May 20, $64,000 bonds, paving along street car line. E. Kitchen, St. Petersburg, engr.

Tennessee—Dept. Hys. & Pub. Wks., Nashville, voted $85,000 bonds, 16 mi. Waynesboro-Hardin Co. line Rd., Wayne Co., probably gravel or chert. J. G. Creveling, highway comr.

Tennessee—Dept. Hys. & Pub. Wks., Nashville, making surveys surfacing 16 mi. Savannah-Wayne Co. line Rd., 16 ft., Hardin Co., gravel or chert; improving 25 mi. Shelby Co. line-Hardeman Co. line Rd., 16 ft., Fayette Co. J. G. Creveling, comr.

Tenn., Greenville — Green Co. election soon $200,000 bonds, improving roads incl. Greenville-Washington Co. line Rd. Noted Apr. 19.

Kentucky—State Hy. Dept., Frankfort, plans grading 7.386 mi. Smithland-Eddyville Rd., 24 and 28 ft. State Project 10, Sect. B. Livingston Co., surfacing 1.13 mi. Mayfield-Paducah Rd., 20 ft., Ballard Co. J. S. Boggs, state highway engr.

Kentucky — State Hy. Dept., Frankfort, preparing plans surfacing with concrete or macadam 5.512 mi. Madisonville-Mortons Gap, 18 ft., State Project 2, Hopkins Co. J. S. Boggs, state highway engr.

Ky., Louisville — Bd. Pub. Wks. plans surfacing Kentucky St. $25,000. A. A. Kreiger, city engr.

O., Akron — W. F. Peters, dir. Pub. Serv., takes bids latter part of April, grading, curbing, laying 15,000 sq.ft. sidewalks and paving 3,990 sq.yd. Lexington Ave., vitr. brick or asphalt, $33,000; grading, laying 15,630 sq.ft. sidewalks and brick paving 4,540 sq.yd. Palmer, Hopp and Clover Sts., $38,000; grading and paving 1,500 sq.yd. Dalton St., vitr. brick or asphalt, $26,000; grading and laying 47,630 sq.ft. cement sidewalks and 10,810 cu.yd. cinders on Chittenden, Stadelman, Carlysle and Edward Sts., $40,000. E. A. Kemmler, Delaware Bldg., engr.

O., Canton—Takes bids this spring paving ¾ mi. 8th St. N. W., 30 ft., brick, $50,000-$60,000, ¼ mi. 11th St. S. W., 40 ft., asphalt, $27,500; laying sidewalks and asphalt paving ½ mi. 19th St., 40 ft., $75,000; improving ½ mi. 13th St. S. W., 30 ft., $27,500. W. Sarver, City Hall, engr.

O., Carrollton — Takes bids in spring brick paving 2 mi. 4th St. N. E., 3rd St. S. E., 2nd St. N. W., and 5th St. N. W., 40 ft., $132,000. R. M. Rice, Carrollton, engr.

O., Columbus — Making plans grading, laying necessary water services and sewer connections and paving 2,366 ft. Brehl and Chase Aves., 26 ft., brick $47,547, asphalt $39,521. 1,682 ft. Powell Ave., 24 ft., brick $25,382, asphalt $20,976, 1,889 ft. alley north of Broad St., 15 ft., brick $9,731, concrete $8,589, 286 ft. alley north of 8th Ave. 18 ft., brick $2,036, concrete $1,813, 1,653 ft. Chase Ave., 24 ft., brick $24,928, asphalt $20,592, 1,870 ft. 6 and 8 in. sewer in alley north of Manhattan Ave., $4,031. R. H. Simpson, city engr.

O., Columbus — Franklin Co. making plans grading and paving 1.54 mi. Meek Rd., Sharon Twp., 18 ft., waterbound macadam, $40,650; 4,280 ft. Schreyer Pl., Clinton Twp., 24 ft., Olentangy Blvd., 30 ft., Dominion Blvd. W., Zellar Rd. and Roseway Parkway, 50 ft. with parkways in center, rein.-con., $91,254, sheet asphalt $119,587, 3 in. brick $122,037, 3½ in. brick $134,908. C. C. Lattimer, co. surv.

O., New Philadelphia—Comrs. Tuscarawas Co. take bids this spring widening 1 mi. Orrville-Northern Rd., from 14 ft. to 20 ft. $40,000. R. E. Stingel, Court House, engr.

O., Ravenna—Portage Co. takes bids in spring improving 1 mi. Kent Brady Lake Rd., Franklin Twp., 20 ft., $50,000; 1½ mi. Randolph Center Rd., 20 ft., $57,000 bonds voted.

Ind., New Albany—Bd. Pub. Wks. plans surfacing portions Spring, Market and Griffin Sts. To exceed $25,000. J. D. Mitchell, asst. city engr.

Michigan—State Hy. Dept., Lansing, rejected bids Mar. 10, grading and surfacing 5.129 mi. Federal Aid Project 127, Sect. B, and 8.482 mi. Federal Aid Project 15, B, Livingston Co., also 2.827 mi. Federal Aid Project 127, A, Oakland Co. Noted Feb. 28.

Mich., Detroit—Having plans prepared paving with 3½ in. sheet asphalt on 8 in. concrete 1,800 sq.yd. Toreey Ave. $9,630, 2,400 sq.yd. South St. $13,210, 7,300 sq.yd. Grixdale Ave. $40,310, 7,200 sq.yd. Hildale Ave. $38,880, 9,800 sq.yd. Fairfield Ave. $54,000, 5,500 sq.yd. Florence Ave. $30,990, 6,800 sq.yd. Beechwood Ave. $36,990, 4,800 sq.yd. Majestic Pl. $26,390, 7,500 sq.yd. Parkside Ave. $41,340. G. Jerome, city engr.

Streets and Roads (Continued)

Ill., Pana — Having preliminary plans prepared grading and concrete paving 5,200 ft. various streets, 28 and 30 ft. wide. $50,000. A. C. Stanfield, City Hall, engr.

Ia., Davenport—Scott Co. election Apr. 12, $1,250,000 bonds, paving roads. J. M. Malloy, co. engr.

Ia., Emmetsburg—Palo Alto Co. election Apr. 8, $800,000 bonds paving and graveling Emmetsburg-Graettinger Rd. T. E. Martin, Emmetsburg, engr.

Ia., Nevada—Soon takes bids paving 40 blocks. J. G. Dean, city engr. Noted Mar. 6.

Ia., Ottumwa—Plans paving 50 blocks, brick and concrete. $150,000. J. T. Brady, city engr.

Minn., St. Paul—Ramsey Co. plans paving 3 mi. Project 24-51, Bald Eagle Ave., from end of present paving on White Bear Rd. north and east to present Trunk Highway 1, one course concrete or asphaltic concrete. $85,000. P. N. Coates, co. surv.

Minn., Two Harbors—Rejected bids Mar. 10, paving etc., 8 blocks Wilson St. between S Ave. and 7th Ave. and Cedar St. between 5th and 7th Aves. Work will be done by day labor. $35,000. E. Carlson, clk. Noted Mar. 6.

Kan., Emporia—Soon takes bids grading and surfacing with rein.-con. or brick on concrete, with concrete curb and gutter, 22 blocks 9th Ave., East, 5th, Sylvan, 10th and 11th Sts. $75,000.

Kan., Ft. Scott—Soon takes bids bituminous macadam surfacing 7.5 mi. road, 18 ft. B. Boyle, Ft. Scott, engr.

Kan., Oskaloosa—Jefferson Co. making plans surfacing with bituminous macadam, bituminous concrete or concrete 6.5 mi. Sect. B, Williamstown-Nortonville Rd., 18 ft., Federal Aid Project 220, also 7.5 mi. Sect. A, Eidman & Marshall, Smith Bldg., Topeka, engrs.; with concrete or brick 0.539 mi. Sect. D Southwest Trail, 18 to 40 ft., Federal Aid Project 222, R. C. Ham, Oskaloosa, engr.

Kan., Wellington — Sumner Co. plans grading and surfacing with brick or concrete 2.335 mi. Belle Plain Rd., Federal Aid Project 235, Sect. A, 25,102 sq.yd. vitr. brick or concrete, 25,161 cu.yd. excav., etc. J. W. Mavity, Wellington, engr.

Neb., Omaha—Douglas Co. rejected bids paving 2.49 mi. Omaha-Elkhorn Rd., Federal Aid Project 20, vitr. brick. Will readvertise. Noted Mar. 20.

Neb., Papillion—Sarpy Co. voted $30,000 bonds to gravel roads from South Omaha city limits to Papillion Rd.

South Dakota—State Hy. Dept., Pierre, soon takes bids 14.1 mi. grading on Federal Aid Project 170, Minnehaha Co., also 13.4 mi. on Federal Aid Project 160, Brookings and Moody Counties. F. D. Hudgins, ch. engr.

Mo., Cape Girardeau—A. P. Behrens, city clk., takes bids in about 2 weeks, grading, curbing, guttering and 6 in. concrete paving 13,320 sq.yd. Harmony, Ellis, Themis and Dunklin Sts. $27,500. Former bids rejected. J. B. Heagler, City Hall, engr. Noted Mar. 6.

Mo., Moberly—Making plans paving 5 streets, various types. To exceed $25,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, engrs.

Mo., Poplar Bluff—Plans grading and concrete surfacing 3,100 ft. Black River Rd., 18 ft. $20,000-$25,000. E. C. Nickey, City Hall, engr.

Mo., St. Louis—Had preliminary plans prepared improving Grace Ave., 4,980 cu.yd. grading, 1,000 ft. macadam and 2,960 cu.ft. cinders $5,400, Odell Ave., 18,015 cu.yd. grading, 1,000 cu.ft. macadam and 12,400 cu.ft. cinders $19,200, Plover Ave., 7,440 cu.yd. grading, 1,000 cu.ft. macadam and 3,350 cu.ft. cinders $6,100; grading, curbing, paving, etc., 2,925 sq.yd. Hoffman Ave., concrete, vitr. brick, asphaltic concrete, warrenite, willite or sheet asphalt, $15,500-$17,700, 6,485 sq.yd. Louisville Ave., vitr. brick, warrenite, asphaltic concrete, willite or asphalt, $31,500-$36,900, 6,800 sq.yd. Macklind Ave., willite, sheet asphalt, warrenite, asphaltic concrete or vitr. brick, $36,700-$40,900, 4,150 sq.yd. Ray Ave., warrenite, asphalt, willite, asphaltic concrete, cement concrete or vitr. brick, $32,500-$38,400, 2,010 sq.yd. Tennessee Ave., warrenite, asphaltic concrete, asphalt, willite, vitr. brick or concrete, $14,000-$17,400, 8,855 sq.yd. Theodore St., vitr. brick, asphalt, asphaltic concrete, willite, warrenite or concrete, $47,100-$57,000; also concrete sidewalks on 18 various streets, $19,676. W. W. Horner, city engr.

Mo., St. Louis — Bd. Pub. Serv. soon takes bids willite paving 7,270 sq.yd. Fyler and Nashville Aves., $39,500; also grading 7,100 cu.yd. Connecticut St., $5,700. W. W. Horner, city engr.

Texas., Cameron — Milam Co. election Apr. 28, $75,000 bonds, grading and gravel surfacing 14 mi. in Rd. Dist. 10, sect. Farrier Highway 16 ft. Total cost $150,000. A. F. Mitchell, co. engr.

Tex., Angleton — Brazoria Co. making plans grading and shell surfacing 2 mi. State Highway 19, Rd. Dist. 16, 12 ft. $30,000. H. W. Munson, Jr., Angleton, engr.

Tex., Boston—Bowie Co. voted $50,000 bonds grading and surfacing on Hooks Rd. Dist., New Boston. J. V. Curnutte, New Boston, engr.

Tex., Brownwood—Brown Co. plans election, $700,000 bonds, improving various roads, county and state. R. E. Lee, co. judge.

Tex., Dallas—Had plans prepared widening, extending and paving approximately ½ mi. Orange St. from McKinney to Pacific Sts., 80 ft. $489,810. E. A. Kingsley, city engr. E. A. Woods, city plan engr.

Tex., Georgetown—Williamson Co. making plans grading, etc., 8.48 mi. Liberty Hill-Leander Rd., 24 ft. $40,500. R. A. Nichols, co. engr.

Tex., Henderson—Election soon $75,000 bonds, permanent paving 10 blocks business streets. H. N. Roberts, Box 1115, Lubbock, engr.

Tex., Laredo—Soon takes bids permanent paving various streets. $80,000. T. E. Huffman, Laredo, engr.

Tex., Sabinal — Election soon $40,000 bonds, paving 10 blocks business streets. R. P. Rainey, co. judge.

Tex., Sanderson—Terrell Co. soon takes bids graveling 12.48 mi. State Highway 3, 18 ft. $209,400. J. Stovall, Sanderson, engr. Noted Feb. 21.

Okla., McAllister—Soon takes bids grading, surfacing, etc. with rein.-con. 11 blocks Madison, Monroe, Harrison and 3rd Sts. $45,000.

Okla., Oilton—Takes bids about Apr. 15, paving Dists. 2 and 3. $25,000. Benham Eng. Co., 512 Gumble Bldg., Kansas City, Mo., engrs. Noted Mar. 20.

Okla., Oklahoma City—Plans grading and paving 4 blocks Pennsylvania Ave., 6,100 sq.yd. asphalt, 2,400 lin.ft. curbing, 2,000 cu.yd. excav. $27,000. B. M. Hart, City Hall, engr.

Okla., Tulsa—Soon takes bids concrete or granite paving slopes of Mohawk Park. $80,000. G. Schultz, City Hall, engr. Holway Eng. Co., 505 New Wright Bldg., consult. engrs.

Ore., Portland—City and Multnomah Co. plan widening 4 mi. streets, 60-80 ft., and approaches to 7 bridges over Willamette River. $987,000 bonds voted. Hedrick & Kremers, 205½ 3rd St., engrs.

California—San Joaquin (Stockton), and Sacramento Co. (Sacramento), plan road from Terminous to Rio Vista. To exceed $25,000. C. W. Deterding, Jr., surv. Sacramento Co. F. E. Quail, surv. San Joaquin Co.

Calif., Fort Bragg—Had plans prepared improving Franklin, Oak, Alder Sts., etc., incl. 209,842 sq.ft. grading, 209,842 sq.ft. 3½ in. and 209,842 sq.ft. 2 in. asphaltic concrete, 150 tons asphaltic concrete for leveling base under 2 in. pavement, concrete curbs, etc. C. C. Kennedy, Call Bldg., San Francisco, consult. engr.

Calif., Fresno—Fresno Co. having plans prepared improving highways, Rd. Impvt. Dists. 6 and 7, 4 in. asphaltic concrete, 24 ft., curbs, gutters, etc. $40,000 and about $200,000 respectively. C. P. Jensen, Cory Bldg., co. engr.

Calif., Mayfield — Plans paving various streets, 5 in. cement concrete. To exceed $25,000. C. Moser, 651 Homer Ave., Palo Alto, consult. engr. Noted Feb. 7.

Calif., Oakland—Had plans prepared improving portion West St., 72,672 sq.ft. grading, 69,523 sq.ft. 6 in. cement concrete with 2 in. Warrenite-bituminous surface; portion Redding St., 11,600 sq.ft. grading, 6,155 sq.ft. oil macadam, 2,280 sqft cement walks; portion 68th Ave, 34,910 sq.ft. grading, 18,467 sq.ft. oil macadam; having surveys made Tunnel Rd. Extension, 25 ft., oil macadam, $25,000 or more. W. W. Harmon, city engr.

Calif., Orange—Having plans prepared paving 40 blocks, Cambridge, Shaffer Sts., etc., 6 in. concrete. C. C. Bonebreak, city engr.

Calif., Oroville—See "Unclassified under Hydro-Electric Development."

Calif., Richmond—Plans improving Macdonald Ave. between 23rd and San Pablo Sts., to exceed $25,000; paving streets in Pullman Dist., to exceed $25,000. H. D. Chapman, city engr.

Calif., San Anselmo—Had plans prepared improving Woodland, Ross, Tunstead Aves., etc., incl. 382,292 sq.ft. grading, 4,126 tons asphaltic concrete base, 385,627 sq.ft. asphaltic concrete surface, 30,320 lin.ft. concrete curb, 44,893 sq.ft. concrete gutter, etc. To exceed $100,000. J. J. Jessup, town engr.

Calif., San Bruno—Plans to vote on $25,000 bonds paving various streets.

Calif., San Rafael—Supervs. Marin Co. plan to improve 10½ mi. highway between McClure Ranch and Lighthouse.

Calif., Santa Rosa — Sonoma Co. had plans prepared improving highway, Rd. Dist. Impvt. 1, grading and paving, 2 course asphaltic concrete, 18 ft., earth shoulders, etc. County will pay $58,000 of cost. R. P. Smith, Santa Rosa, engr.

Ont., Toronto—Soon takes bids grading various streets, $51,450. R. C. Harris, city engr.

BIDS DESIRED

Maine—Apr. 17, by State Hy. Comn., Augusta, bituminous macadam surfacing 3.07 mi. road in Raymond and 4.19 in Bridgton, 18 ft.; paving with bituminous macadam or gravel 3.22 mi. in Paris and Woodstock, 18 ft.; gravel surfacing 1.06 mi. in Edgecomb, 2.91 mi. in Ellsworth and Hancock, 3.42 mi. in New Sharon, 3.27 mi. in Lincoln, 2.16 mi. in Smyrna, 3.21 mi. in Easton and 2.78 mi. in Edmunds, 18 ft. P. D. Sargent, ch. engr. Noted Mar. 6.

New Hampshire—Apr. 9, by State Hy. Comn., Concord, gravel surfacing 0.53 mi. highway in Walpole and 0.56 mi. in Keene, bituminous macadam paving 0.43 mi. in Milford. F. E. Everett, Concord, engr.

R. I., Central Falls—Apr. 14, at office of Bd. of Street, Water and Sewer Comrs., City Hall, laying 7,500 sq.yd. re-cut granite block pavement on concrete, on Broad St.; adv. E. N.-R. Apr. 3.

Connecticut—Apr. 7, by State Hy. Comn., Hartford, rein.-con. paving roads in Clinton and Westbrook, Federal Aid Project 13-A, in West Haven and Darien; waterbound macadam in North Canaan and Canaan, Brookfield and Newton, and Easton; sheet asphalt in New Haven and East Hartford; bituminous macadam in Pomfret. Also concrete girder bridge over Bladen River in Seymour, concrete slab on Seymour-Oxford Rd., in Oxford, and 2 concrete slabs on Canaan-Cornwall Rd., in Canaan. J. A. Macdonald, state highway comr.; adv. E. N.-R. Apr. 3.

New York—Apr. 18, by A. W. Brandt, comr. Highways, Albany, constructing and reconstructing highways in Cattaraugus, Cayuga, Franklin, Hamilton, Jefferson, Nassau, Ontario, Orange, St. Lawrence, Schenectady, Tompkins and Washington Counties; adv. E. N.-R. Apr. 3.

N. Y., Albany—Apr. 7, by Bd. Contr. & Supply, repaving Madison St., $250,000, also curbing, laying sewers, concrete walks and repaving Western Ave., redressed granite blocks on concrete, $40,000. Former bids rejected. Noted Mar. 27.

N. Y., Brooklyn—Apr. 9, by E Riegelmann, boro pres., Boro Hall, grading, curbing and flagging Clarendon Rd.; grading sidewalks space, curbing and flagging East 8th and 80th Sts.; grading sidewalk space and laying cement sidewalks on 50th St.; cement sidewalks on 61st St.; grading to width of 60 ft. centrally located Empire Blvd.; paving West 37th St., asphalt on 6 in. concrete.

N. Y., Brooklyn—Apr. 9, by E. Riegelmann, boro pres., Boro Hall, 75,000 gal. asphaltic road oil for hot application upon streets to be designated, in amounts of not less than 1,000 gal. at any time.

N. Y., Buffalo—Apr. 8, by Bd. Supervs. Erie Co., City Hall Bldg., paving Waverly St., Harlem Ave., Amsdell and Town Line Rds., concrete and waterbound. To exceed $40,000. G. C. Diehl, Ellicott Sq. Bldg., engr.

N. Y., Gloversville—Apr. 15, by Common Council, curbing and paving various streets, 15,600 sq.yd. rein.-con. H. J. Hanmer, city engr.; adv. E. N.-R. Apr. 3.

N. Y., Letchworth Park (Portageville, P. O.)—Apr. 15, by Letchworth Park Com. of Amer. Scenic & Historic Preservation Society, at Wyoming Co. Natl. Bank, Warsaw, constructing highway here. W. J. Humphrey, chn.; adv. E. N.-R. Apr. 3.

N. Y., New Hartford—Apr. 21, paving Hillside Ave., Hartford Terrace and Pearl St. To exceed $25,000. Kemper-McLoughlin Co., Inc., Paul Bldg., Utica, engrs.

N. Y., New York—Apr. 8, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., grading, regrading, resetting curb, relaying sidewalks and crosswalks, etc., on that portion of Bway. along the easterly side thereof 25 ft. wide, from Van Cortland Park S. to northerly boundary line of City of New York; grading, curbing, laying sidewalks and crosswalks, etc., on Tryon Ave., Worthen and Barry Sts.; grading, etc., East 156th St.; curbing and repaving Bway., sheet asphalt on concrete; adjusting curb, sidewalks and paving West 188th St. and Walton Ave., sheet asphalt on concrete, Bailey Ave. and Van Cortlandt Ave. W., bituminous concrete on cement.

Streets and Roads (Continued)

N. Y., Poughkeepsie—Apr. 10, by Bd. Pub. Wks., Eastman Park Mansion, grading, curbing, paving, etc., Reservoir Sq., Fountain Pl., Lexington and Manitou Aves., Montgomery, Cannon, South Clinton and Church Sts. T. F. Lawlor, supt.; adv. E. N.-R. Apr. 3.

New Jersey—Apr. 7, by Com. Monroe Twp., at Half Acre School House, near Union Valley, surfacing Union Valley-Gravel Hill Rd., Middlesex Co., Proposal A 21,799 sq.yd. gravel, (B) 16,194 sq.yd. gravel. Larson & Fox, 175 Smith St., Perth Amboy, civil engrs.

New Jersey—Apr. 21, by State Hy. Dept., Trenton, rein.-con. paving and curbing Route 10, Sect. 1A, Arcadian Way to Fort Lee Ferry, Bergen Co.; rein.-con. paving and 9 small span bridges on Route 12, Sect. 6, Port Colden to Stephensburg, Warren Co.; rein.-con. paving and 4 small span bridges on Route 12, Sect. 7, Stephensburg to Hackettstown, Warren Co. A. L. Grover, secy.; adv. E. N.-R. Apr. 3.

N. J., Hopatcong—Apr. 22, by Sussex Co. (Newton), concrete paving Lakeside Blvd., here. H. Snook, Newton, co. engr.; adv. E. N.-R. Apr. 3.

Pa., Phila.—Apr. 16, by G. H. Biles, dir. Pub. Wks., Room 216, City Hall, paving and curbing Delaware Ave. between Porter St. and Oregon Ave., granite blocks.

Pa., Portage—Apr. 7, by Boro. Council, paving 20,000 sq.yd. Main, Lee, Cambria, Bedford, Farran and Orchards Sts., Washington and Jefferson Aves., 4 in. vitr. brick on concrete. P. F. Campbell, boro. engr.

Md., Baltimore—Apr. 9, by Bd. Awards, paving roads, Contr. 253-OANA, 12,625 sq. yd. cement concrete; Contr. 271-OA, 11,400 sq.yd. asphalt. R. K. Compton, 214 East Lexington St., chn. paving comn.

West Virginia—Apr. 15, by State Rd. Comn., Charleston, constructing roads: Projects 3037-A, 130, 127-B, 3304, 3090, 136-A, 132, 3190-3202-B, 3075-C, 3278-A, 2146, 3279-A, 3221, 3148, 122-A and 3030. E. B. Carskadon, secy.; adv. E. N.-R. Apr. 3.

West Virginia—Apr. 17, by State Rd. Comn., Charleston, constructing roads: Projects 3293-A and B, 87, 2037-8, 3299, 112, 3248-B, 3251, 3165, 2063, 3184, 3017, 3111-B, 3203-E, 3272, 3186, 134, 3026-B, 3217-A, 3175-B, 3211-A, A. B. Carskadon, secy.; adv. E. N.-R. Apr. 3.

W. Va., Huntington—Apr. 10, by Bd. Comr., grading, curbing and paving Burlington, Bradley and Old Cross Rds., Kanawha and James River Turnpikes, High, Washington and Woodland Drives, Pogue, 24½, 37th, Locust, Vernon, Court, Vinson, Wayne, 26th, Chase, 4th, 5th, 6th, 17th and Marshall Sts., Washington Blvd., 11½ Alley, St. Louis and College Aves. R. Maupin, city engr.

W. Va., West Union — Apr. 14, by H. Hutson, clk. Dodge Co., grading 2 mi. Middle Creek Rd., 1 mi. Meathouse Fork Rd., 1½ mi. Rock Run Rd.; waterbound macadam paving 1 mi. Head of Robinson Fork Rd., McLellan Dist.

S. C., Edgefield—Apr. 9, at office Edgefield Co. Hy. Com., 10 mi. State Route 21, Federal Aid Project 240-B, incl. 43,808 cu. yd. common excav., 21,856 cu.yd. sand clay surfacing, etc. C. H. Moorefield, 1626 Main St., Columbia, engr.

S. C., Kingstree—Apr. 11, at office J. B. Mayes, engr. Williamsburg Co., 6.5 mi. State Route 411, Federal Aid Project 239, incl. 39,755 cu.yd. common excav., 16,147 cu.yd. sand clay surfacing, etc.

Alabama—Apr. 18 (extended date), by State Hy. Comn., Montgomery, grading 17.455 mi. Montgomery-Birmingham Highway, Federal Aid Project 100, Chilton Co., Project 1, surfacing alternate types: 187,250 sq.yd. Portland cement concrete, 177,500 sq.yd. warrenite bitulithic on concrete, bituminous concrete, modified Topeka pavement on concrete, sheet asphalt, vitr. brick or rock asphalt on concrete, Project 2, 66.63 acres clearing, 197,738 cu.yd. earth and 10,429 cu.yd. rock excav., 296,085 sta.yd. overhaul on excav. W. S. Keller, state highway engr. Noted Nov. 15 and Dec. 10.

Miss., Port Gibson — Apr. 10, by Bd. Supervs. Claiborne Co., grading, gravel surfacing, etc., 6.681 mi. Federal Aid 153-B, 82,981 cu.yd. common and 5,786 cu.yd. borrow excav., 47,298 cu.yd. gravel, 448.32 cu. yd. concrete, etc. Gravel to be furnished f.o.b. Port Gibson. H. C. Dietzer, c/o State Hy. Dept., Jackson, engr.

Louisiana—Apr. 10, (extended date) by State Hy. Dept., Reymond Bldg., Baton Rouge, 15.76 mi. State Project 366, Sects. B and C, Winn Parish. Noted Mar. 27.

Ohio—Apr. 11, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 62.729 mi roads in Athens, Auglaize, Columbiana, Coshocton, Erie, Fulton, Greene, Harrison, Holmes, Jefferson, Knox, Lake, Portage, Sandusky, Seneca, Shelby, Trumbull, Washington and Wayne Counties. A. V. Donaheys, dir. highways.

O., Columbus—Apr. 8, by W. H. Duffy, dir. Pub. Serv. widening 1,661 ft. Spring St., 3 ft. on either side and repaving same with asphalt. $36,221. R. H. Simpson, city engr.

O., New Philadelphia — Apr. 16, by Comrs. Tuscarawas Co., improving 2 mi. Flat Rd. and Sect. 2 Newport-Gilmore Rd., 20 ft., brick, $120,000; 1 mi. Div. 1, Newport-Gilmore Rd., 20 ft., $50,000. R. E. Stingel, Court House, engr.

O., Canton — Taking bids curbing and paving 4,266 sq.yd. 18th St. N. W., brick or asphalt on concrete, $60,000-$75,000; improving ½ mi. Market Ave. S., 12,764 sq. yd. vitr. brick or asphalt on concrete, 46,750 sq.ft. concrete walks, etc., $100,000. W. A. Sarver, City Hall, engr.

Ind., Crown Point—Apr. 14, by Comrs. Lake Co., grading and gravel surfacing 7 mi. G. P. Condit Rd., 18 ft. $77,930. C. K. Wallace, Crown Point, engr.

Ind., Goshen—Apr. 8, by Comrs. Elkhart Co., grading and gravel surfacing 24,600 ft. County Rd. 8. $43,310. C. L. Kinney, Goshen, engr.

Ind., Linton—Apr. 15, by Common Council, paving H St. N., 4th St. E., and Railroad or C St. S., 16,000 sq.yd. paving, 10,500 lin.ft. combined curb and gutter. J. A. Boudousquie, city engr.

Ind., Logansport—Apr. 8, by Comrs. Cass Co., constructing Berkshire Rd. $25,000.

Ind., South Bend—Apr. 21, by Comrs. St. Joseph Co., resurfacing 4 county roads, 211,866 sq.yd. concrete. $34,483. P. R. Gillin, South Bend, engr.

Ind., Vincennes—Apr. 8, by Comrs. Knox Co. grading and graveling Fred Obermeyer Rd., 5,095 cu.yd. gravel, 6,212 cu.yd. earthwork, 2,895 cu.yd. earth excav., $26,012; concrete surfacing 15,841 sq.yd. W. H. Knowles Rd., $34,893. W. Hanlon, Vincennes, engr.

Ind., Wabash—Apr. 8, by Comrs. Wabash Co., constructing Wischel Rd. $37,500.

Michigan—Apr. 5, by State Hy. Dept., at office Bay Co. Rd. Comn., Bay City, grading and concrete surfacing 1.939 mi. Beaver Rd., also 1.975 mi. road in Fraser and Kawkawlin Twps.

Michigan—Apr. 5, by State Hy. Dept., at office Bd. Rd. Comrs. Saginaw Co., Saginaw, grading and surfacing 4.98 mi. Assessment Dist. Rd. 66, stone and macadam.

Michigan—Apr. 11, by State Hy. Dept., at office Kent Co. Rd. Comn., Grand Rapids, grading and surfacing 13.853 mi. Federal Aid Project 113, C, Kent Co., 70,851 cu.yd. excav., 162,545 sq.yd. asphalt, concrete or bituminous concrete. G. C. Dillman, Lansing, state engr.

Michigan—Apr. 14, by State Hy. Dept. at office Berrien Co. Rd. Comn., St. Joseph, grading and surfacing 1.236 mi. State Trunk Line Rd. 58-5, Berrien Co., 8,790 cu.yd. excav., 13,671 sq.yd. asphalt, concrete or bituminous concrete.

Michigan—Apr. 14, by G. H. Green, resident engr. of State Hy. Dept., at Midland, surfacing with 1 course gravel 5.508 mi. State Trunk Line Rd. 18-13, Midland Co.

Michigan—Apr. 15, by State Hy. Dept., at office Comrs. Chippewa Co., Saulte Ste. Marie, grading and surfacing 2.207 mi. State Trunk Line Rd. 48-6, Sect. B, Chippewa Co. G. C. Dillman, ch. engr.

Michigan—Apr. 15, by State Hy. Dept. at office Comrs. Isabelle Co., Mt. Pleasant, grading and surfacing 1.03 mi. State Trunk Line Rd. 24-25, Sects. A and B, 11,518 cu. yd. excav., 12,140 sq.yd. asphalt, concrete or bituminous concrete. G. C. Dillman, Lansing, ch. engr.

Michigan—Apr. 16, by State Hy. Dept. at office Bd. Barry Co. Rd. Comrs., Hastings, grading and gravel surfacing 7.204 mi. State Trunk Line Rd. 43-1, Barry Co., 98,897 cu.yd. excav., 68,882 sq.yd. 2 course gravel.

Michigan—Apr. 21, by State Hy. Dept., at office Comrs. Clare Co., Harrison, grading and surfacing 1.249 mi. State Trunk Line Rd. 14-37, Clare Co., 8,996 cu.yd. excav., 20,030 sq.yd. asphalt, concrete or bituminous concrete. G. C. Dillman, Lansing, state engr.

Michigan—Apr. 22, by State Hy. Dept., at office Ingham Co. Rd. Comn., Mason, grading and surfacing 0.723 mi. State Trunk Line Rd. 14-15, Sect. A, Ingham Co., 9,730 sq.yd. asphalt, concrete or bituminous concrete. G. C. Dillman, Lansing, state engr.

Ill., La Grange — Apr. 11, by Village Clerk, grading and concrete paving Northwest portion of village, 14,000 sq.yd. concrete, 14,000 lin.ft. integral curb,. $75,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Wisconsin—Apr. 7, by State Hy. Comn. at div. office 3, Nicollet Bldg., Green Bay, grading and surfacing, Sniderville Rd., Project 242, Sect. A and Chilton-Hilbert Rd., Project 1040, 14,952 cu.yd. unclassified excav., 45,300 sq.yd. concrete surfacing, etc. A. R. Hirst, Madison, state highway engr.

Wisconsin—Apr. 8, by State Hy. Comn., Div. Office 2, Stephenson Bldg., Milwaukee, grading and paving, Sects. A and B Lake Shore Rd., Federal Aid Project 363, Sheboygan Co., also Truesdale-Somers Rd., Federal Aid Project 378-A, Kenosha Co., incl. 70,719 cu.yd. earth excav., 148,603 sq. yd. concrete, 48,840 bbl. cement in place, etc.; 3 bridges on Fond du Lac-Oshkosh Rd., Federal Aid Project 364, Fond du Lac Co., 16 ft. and 12 ft. spans, and 8 ft. extension span. A. R. Hirst, Madison, state highway engr.

Wisconsin—Apr. 14, by State Hy. Comn., at div. office 1, State Capitol Annex, Madison, grading and paving Sects. A and B Watertown-Waupun Rd., Federal Aid Project 359, Dodge Co., Sects. A, B and C Portage-Kilbourn Rd., Federal Aid Project 360, Columbia Co., incl. 133,471 cu.yd. earth excav., 140,322 sq.yd. concrete, 22,037 cu.yd. gravel, etc. A. R. Hirst, Madison, state highway engr.

Wis., Elkhorn—Apr. 10, by H. J. Peters, comr. Walworth Co., concrete surfacing, etc., Whitewater-Elkhorn Rd., 97,852 sq.yd. concrete, 16,720 lin.ft. combined concrete curb and gutter 49,560 cu.yd. earth, 5,109 cu.yd. rock and 728 cu.yd. borrow excav., etc. Wisconsin Hy. Comn., Div. 2, 444 Milwaukee St., Milwaukee, engrs.

Wis., Eau Claire—Apr. 8, by Eau Claire Co. Hy. Com., grading and paving 0.72 mi. Augusta-Fall Creek Rd., Trunk Highway 12, 740 cu.yd. earth excav., 3,776 sq. yd. concrete, etc.; Creamery Bridge at Sta. 27 on above project, 40 ft. rein.-con. deck girder span, 24 ft. roadway. G. Osborne, comr.

Wis., Juneau—Apr. 9, by Dodge Co. Hy. Com., grading and surfacing Lomira-Campbellsport Rd. in Town Lomira, Alderly-Washington Co. line Rd., Town Ashippun, Huilsburg-Theresa Rd., Town Theresa, Clyman-Hustisford Rd., Towns Clyman and Hustisford, Reesville-Hubbleton Rd., Towns Portland and Shields, Lowell-Beaver Dam Rd., Towns Lowell and Beaver Dam, Hustisford-Horicon Rd., Towns Hustisford and Hubbard, Lowell-Reeseville Rd., Town Lowell and village Reeseville, Beaver Dam-Horicon Rd., Town Oak Grove, work involves 118,360 cu.yd. earth excav., 43,548 cu.yd. gravel surfacing, 46,035 cu.yd. concrete surfacing. E. T. Klug, comr.

Wis., LaCrosse—Apr. 10, by Bd. Pub. Wks., grading various streets, 82,342 cu.yd. excav. and 33,810 cu.yd. fill. C. C. Congdon, City Hall, engr.

Minn., Buffalo—Apr. 8, by E. R. Anderson, aud. Wright Co., 5.4 mi. Job 2401, State Rd. 1, 60,803 cu.yd. excav., etc.; 4.3 mi. Job 2402, State Rd. 2, 26,334 cu.yd. excav.; Job 2403, State Rd. 12, 19,896 cu. yd. excav., etc. $26,000. C. E. Stahl, Buffalo, engr.

Minn., Duluth—June 1, by W. H. Fischer, city comr., paving, 3,750 ft. Wabasha St., 24 ft., 9,200 yd. gravel surface, 7,412 lin. ft. concrete curb, 32,700 lin.ft. sidewalk, 6,350 cu.yd. earth and 1,000 cu.yd. rock excav., $33,190; concrete paving 60th Ave. W., from Grand Ave. to 8th St., 7,300 sq. yd. concrete, 4,950 lin.ft. concrete curb, 18,200 sq.yd. concrete sidewalk, etc., $48,590. J. Wilson, city engr.

Kan., Dodge City — Apr. 22, by Clerk Ford Co., grading and sand clay surfacing 4.405 mi. Federal Aid Project 221, Sect. A, 9,683 cu.yd. sand clay, 160 cu.yd. concrete, etc. J. W. Thornbough, co. engr. Noted Mar. 27.

Kan., Ft. Scott—May 6, by Clerk Barbour Co., grading and resurfacing with waterbound macadam, bituminous filled brick or bituminous macadam 3.897 mi. Kansas City Rd., Federal Aid Project 208, Sect. A, also constructing 2 ft. concrete shoulder on each side, 32,383 sq.yd. surfacing, 41,211 lin.ft. concrete curbing, 400 sq. yd. stone gutter, 27,350 cu.yd. earth and 153 cu.yd. rock excav., 49,377 lb. reinforcing, etc. Blair Boyle, co. engr.

Kan., Sedan—Apr. 25, by Clerk Chautauqua Co., grading and surfacing with bituminous macadam or concrete 2.495 mi. Chautauqua Highway, Federal Aid Project 201, Sect. A, 25,916 sq.yd. bituminous macadam or concrete, 24,890 cu.yd. excav., 25,730 lb. reinforcing, etc. F. L. Appleby, co. engr.

Kan., Kansas City—Apr. 14, by O. K. Williams, co. engr., paving with waterbound macadam, bituminous macadam or concrete 0.75 mi. road, 16 ft.

Neb., Nebraska City—Apr. 8, by Clerk Otoe Co., paving 2.43 mi. Federal Aid Project 214, 21,500 cu.yd. excav., 8,234 sq. yd. pavement 20,700 sq.yd. gravel surface, $65,000, also removing old structure and building 32 ft. I beam bridge, 20 ft. roadway, on Sta. 92 x 50. R. L. Cochran, Lincoln, state engr.

Streets and Roads (Continued)

N. D., Cooperstown—Apr. 17, by P. A. Melgard, aud. Griggs Co., gravel surfacing 11.3 mi. Federal Aid Project 108, B and C, and 10 mi. Federal Aid Project 109, A and B. $32,000.

N. D., Hillsboro—Apr. 12, by C. D. Olson, aud. Traill Co., grading 7 mi. Federal Aid Project 61-A, 33,328 cu.yd. excav., grading and gravel surfacing 3 mi. Federal Aid Project 5-G, 19,491 cu.yd. excav., etc. $25,000.

N. D., Valley City—Apr. 16, by C. W. Nelson, aud. Barnes Co., grading 12 mi. Federal Aid Project 221, 90,347 cu.yd. excav.; gravel surfacing 11 mi. Federal Aid Project 36, and 10 mi. Federal Aid Project 124, $55,000.

Mo., Richmond Heights (St. Louis P. O.)—Apr. 16, by G. H. Skillman, city clk., 7409 La Veta Ave., grading, curbing, guttering and concrete paving, etc., 114,000 sq.ft. Bredell and Park Aves. $64,800. Pitzman Co., 615 Chestnut St., St. Louis, engrs.

Arkansas—Apr. 24, by State Hy. Dept., Little Rock, paving 43 mi. Little Rock-Hot Springs Highway Impvt. Dist. R. C. Limerick, state highway engr.; adv. E. N.-R. Apr. 3.

Tex., Commerce—Apr. 8, by C. P. England, city secy., paving 24,411 sq.yd. various streets, brick, rock asphalt or bitulithic on 5 in. concrete, 6-7½-in. concrete paving, 2½ or 3 in. brick, 1½ in. bituminous top. $50,000.

Tex., Crosbyton — S. W. Cooper, city secy., taking bids paving 11 blocks (patented earth asphalt). $28,000. Baker & Von Zuben, Ellison Bldg., Ft. Worth, engrs.

Tex., Dallas—See "Unclassified" under Underpass.

Tex., Dallas — Dallas Co. taking bids grading and surfacing, etc., 3 mi. Dallas Mesquite Rd., 18 ft., concrete or bituminous on concrete. $100,000. Nagle Witt & Rollins, Court House, co. engr.

Tex., Liberty—Apr. 25, by C. R. Wilson, judge Liberty Co., grading, gravel surfacing, etc., 4.16 mi. State Highway 35, Federal Aid Project 426-A, 12 ft. $41,655. W. C. Youngs, Dayton, co. engr. Noted Mar. 13.

Tex., Lubbock—Apr. 15, by City Com., paving 100 blocks, various types. $300,000. Hawley & Roberts, Cotton Exch. Bldg., Ft. Worth, engrs.

Tex, Sanderson—Apr. 24, by G. J. Henshaw, judge Terrell Co., grading, gravel surfacing and bridging 12.48 mi. State Highway 12, Federal Aid Project 324-B, 18 ft. $209,436. J. Stovell, co. engr.

Tex., Tyler—Smith Co. taking bids concrete surfacing 4 mi. State Highway 31, 16 ft. $80,000. D. K. Caldwell, co. engr.

Colorado — Apr. 8, by State Hy. Dept., Denver, concrete paving 0.787 mi. Federal Aid Project 246-B, Pueblo Co., 4,200 cu.yd. borrow fill, 3,800 sta.yd. overhaul, 8,315 sq.yd. concrete alternate bituminous on concrete, $28,411; 2.944 mi. Federal Aid Project 255-B, Morgan Co., 8,700 cu.yd. borrow fill, 100 sta.yd. overhaul, 1,990 cu. yd. sand cushion, 4,300 cu.yd. common earth excav., 31,070 sq.yd. one course concrete alternate bituminous on concrete, $77,967; grading 1.0575 mi. Federal Aid Project 254-A, Grand Co., 4,500 cu.yd. common earth and 57,700 cu.yd. rock excav., etc., $90,981. L. D. Blauvelt, State Office Bldg., Denver, highway engr.

Wash., Port Angeles—Apr. 9, by Comrs. Clallam Co., grading, etc., 6.8 mi. Joyce-Pysht Rd. from Shadow to Twin. F. Sullivan, Port Angeles, engr.

Wash., Raymond—Apr. 9, 7,550 sq.yd. 8-in., 3,000 sq.yd. 4½-in., 18,000 sq.yd. 4-in. and 3,400 sq.yd. 6-in. concrete, in L.I.D. 117, 118 and 119. L. D. Kelsey, Raymond, engr.

Calif., Los Angeles—Supervs. Los Angeles Co. taking bids and open same about Apr. 7, improving 2.78 mi. Whittier Blvd. between Pasadena and south west boundary Montebello, Co. Rd. Impvt. 52, incl. 22,411 cu.yd. excav., removing 2,664 cu.yd. old macadam, placing 37,136 sq.yd. old macadam and disintegrated granite subbase, 9,135 ft. curb, 90,048 sq.ft. gutter, 37,137 sq.yd. concrete, 37,136 sq.yd. asphaltic concrete base.

Calif., Los Angeles—Apr. 14, by Supervs. Los Angeles Co., improving 5,400 lin.ft. Long Beach Blvd. between Compton and Long Beach, incl. 10,000 cu.yd. excav., 18,000 sq.yd. sub-base, 18,000 sq.yd. concrete, shaping 18,000 sq.yd. roadway, etc.; 3.67 mi. Western Ave., 30 ft., incl. 95,900 cu.yd. excav., shaping 64,600 sq.yd. roadway, 1,550 lin.ft. corrugated iron pipe, various diameters.

Calif., Los Angeles—Apr. 14 by Supervs. Los Angeles Co., improving Pomona Blvd. east of Town of Del Monte, 2,711 cu.yd. excav., shaping 16,000 sq.yd. roadway, removing 2,133 cu.yd. old macadam, replacing 16,000 sq.yd. sub-base, 16,000 sq.yd. concrete, shaping 4,800 lin.ft. shoulders (county will furnish 5,000 bbl. cement); Pomona Blvd. from Ellis Lane east to Arden Dr., 3,080 tons asphaltic concrete top, 145 tons asphaltic concrete base, etc.; Long Beach Blvd. between Lemon St. and north boundary of Long Beach, 10,027 cu.yd excav., removing 2,800 cu.yd. old macadam, shaping 18,004 sq.yd. roadway, 18,004 sq.yd. cement concrete, 18,004 sq.yd. sub-base, shaping 10,802 lin.ft. shoulders (county will furnish 5,500 bbl. cement).

Calif., San Rafael—Supervs. Marin Co. taking bids improving 7.5 mi. Mansanita and Bolinas Rd., Sects. 4, 5 and 6, incl. 112,694 sq.yd. excav., 3,040 lin.ft. 8- to 60-in. corrugated metal pipe. J. C. Oglesby, co. surv.

Calif., Ventura—Apr. 23, by Supervs. Ventura Co., grading and bridges on Matthiessen Rd., Rd. Dist. 7, incl. 16,000 cu.yd. excav., 145 cu.yd. concrete, 7,200 lb. reinforcing, etc.

BIDS RECEIVED

New Hampshire—State Hy. Dept., Concord, Mar. 28, paving road in Derry, 25,480 sq.yd. concrete, etc., from Winslow & Cummings, Nashua, $98,696. Noted Mar. 20.

R. I., Providence — Water Supply Bd., City Hall, Mar. 26, grading, paving, etc., 4 mi. road in Scituate, from J. H. Sullivan Co., Brighton, Mass., $218,565. Noted Mar. 6.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Mar. 26, from Borough Asphalt Co., 1301 Metropolitan Ave., asphalt paving Blake Ave. $3,967, East 34th St. $8,052, Hegeman Ave. $14,336, Union St. $4,638; from W. E. Carberry, 45 South Elliott Pl., grading sidewalk space, curbing and flagging Dahill Rd. $2,384, grading, curbing and flagging East 37th St. $6,736; from W. H. Geoghegan Realty Co., grading Flatbush Ave. $376,980; From L. Mangieri, 190 31st St., grading sidewalk space, curbing and flagging 7th Ave. $1,023. Noted Mar. 20.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Mar. 25, receiving basins, etc., in Barclay St., from Cleveland Trinidad Paving Co., Flushing, $17,798; regrading, curbing, laying sidewalks, etc., on Beach Channel Rd., from E. A. Ferguson, $18,975; grading, curbing and laying sidewalks on Buckley St., and paving with bituminous macadam Linden St., from Welsh Bros. Contg. Co., 32 Queens St., Astoria, $5,720 and $4,980 respectively; grading, curbing and laying sidewalks on Merritt St., Lewis, 55th and 89th Aves., from Interstate Contg. Co., $12,230, $6,960, $5,061 and $11,922 respectively; grading sidewalk space, etc., on 87th St., and grading, curbing, laying sidewalks etc. on 88th Rd., from J. J. O'Brien, Jr., William St., Jamaica, $1,757 and $6,367 respectively; sheet asphalt paving 88th Rd. and 89th Ave., from W. P. MacDonald Constr. Co., 342 Madison Ave., New York, $18,600 and $24,350 respectively; grading, curbing, laying sidewalks, etc., on 89th Ave., from E. Block, $8,088. Noted Mar. 20.

New Jersey—State Hy. Dept., Trenton, Mar. 26, concrete paving 51,000 yd. Route 10, Sect. 6, Hackensack-Paterson Rd., Bergen Co., from G. M. Brewster, Ft. Lee Rd., Bogota, 89% engrs. est. ($240,983); 36,586 sq.yd. Route 9, Sect. 13, White House to Somerset Co. line, Hunterdon Co., and 24,394 sq.yd. Route 9, Sect. 14, Somerset Co. line to North Branch, Somerset Co., from J. F. Chapman & Son, Hillside, 97% and 98% of engrs. ests. ($185,198 and $123,287) respectively. Noted Mar. 13.

Pa., Harrisburg — H. A. Sherk, supt. Streets & Pub. Improvements, Room 408, Dauphin Bldg., 65,000 sq.yd. paving and 36,000 lin.ft. curbing on 28 streets, (1) national asphalt, (2) oil asphalt, (3) granite curb, (4) granolithic curb, from Central Constr. Corp., 7th and Emerald Sts., (1) $3.70, (2) $3.50, (3) $1.85, (4) $0.90. Noted Mar. 13.

Pa., Phila. — Bureau Highways, Dept. Pub. Wks., paving with asphalt (1) 66th Ave., repaving with asphalt (2) Bambrey, Taney, 23rd and 26th Sts., (3) Haverford St. from 33rd to 36th Sts., (4) Haverford St. from 60th to 63rd Sts., (5) Ridge Ave., (6) Rutner, Wolf and 7th Sts., (7) Venango St., redressed granite block repaving (8) Callowhill St. (9) Cherry, Hicks and Spring Sts., (10) Frankford Ave., (11) Lancaster Ave., (12) Vine St., (13) 13th St., (14) 25th St., (15) 29th St., from Union Paving Co., 30th and Locust Sts., (1) $11,957 (2) $30,267 (3) $23,486 (6) $48,149 (7) $13,843 (13) $58,686 (15) $51,691; Barber Asphalt Paving Co., 239 North 30th St., (4) $48,713; Eastern Paving Co., 401 Colonial Trust Bldg., (5) $74,381 (10) $59,900 (12) $33,205; Municipal Paving Co., 622 Kater St. (8) $44,683; United Paving Co., Real Estate Trust Bldg., (9) $15,195 (14) $16,367; Muzzola Paving Co., 414 North Gross St., (11) $92,491.

Delaware—State Hy. Dept., Dover, paving, etc. (a) stone concrete (b) slag concrete, (1) 2.18 mi. Bear-Christiana Rd., Contr. CN-16, (2) 1.9 mi. New Castle-Basin Rd., Contr. CN-17, from D. E. O'Connell & Sons, Ridley Park, Pa., (a1) $84,750 (b1) $82,280, (a2) $71,850 (b2) $69,705; 0.836 mi. Clayton-Smyrna Rd., Contr. CK-21, from E. Riley Mixner Co., Goshen, N. J., (a) $37,611 (b) $36,991. Noted Mar. 6.

Md., Annapolis—State Rds. Comn., Baltimore, paving Severn River Bridge, near here, 8,800 sq.yd. bituminous concrete, 4,800 sq.yd. concrete base course, 2,500 cu.yd. excav., from Amer. Paving & Constr. Co., Montebello Ave., Baltimore, $34,635.

O., Cincinnati — Director Pub. Serv. granite curbing and granite block paving 4,500 sq.yd. Baymiller St., from Henkel & Sullivan, 105 Bell Blk., $72,599. Engrs. est. $83,000. Noted Mar. 13.

O., Cleveland—Improving Ferris Ave., 1,230 cu.yd. excav., 2,750 sq.yd. brick on 8 in. concrete, 1,877 lin.ft. stone curb, etc., from A. M. Pejsa Paving Co., 3161 Derbyshire Rd., Cleveland Heights, $15,499; East 176th St., 2,850 cu.yd. excav., 7,455 sq.yd. brick on 8 in. concrete, 4,726 lin.ft. stone curb, etc., from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $42,836; East 119th St., 1,485 cu.yd. excav., 3,550 sq.yd. brick on 8 in. concrete, 2,260 lin.ft. curb, etc., from Enterprise Paving & Constr. Co., 8444 Bway., $19,062; East 140th St., 5,740 cu.yd. excav., 9,860 sq.yd. (a) brick or (b) bituminous concrete on 8 in. concrete 6,000 lin.ft. stone curb, etc., from Baldwin Bros., 4500 Euclid Ave., (a) $58,887, Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, (b) $46,727. Noted Mar. 13.

Ind., Jasper—Dubois Co., grading and graveling 2.6 mi. O. Ahrensman Rd., 18 ft., from A. B. Krempp & Son, Jasper, $25,896, engrs. est. $31,283. Noted Jan. 17.

Mich., Detroit—Paving with 3½ in. sheet asphalt on 8 in. concrete, from Detroit Asphalt Paving Co., 20 McGraw Bldg., Coplin Ave. $8,668, Devereaux Ave. $5,980, Holmur Ave. $24,140, Homedale Ave. $15,347, Kentucky Ave. $14,530, Marlborough Ave. $15,829, Park Grove Ave. $26,754, Roselawn Ave. $35,946, Six Mile Rd. $70,075, from Cleveland Trinidad Paving Co., 402 Hammond Bldg., Glendale Ave. $29,147, Lawrence Ave. $20,729; from Cooke Asphalt Paving Co., 1260 Penosbot Bldg., Mitchell Ave. $39,067.

Missouri—State Hy. Dept., Jefferson City, Mar. 21, grading and penetration macadam paving 4.308 mi. road from King City east, Gentry Co., from E. C. Johnson, Carrollton, $48,027 and $47,695 respectively; grading 3.579 mi. road from Grant City north and south, 30 ft., Worth Co., from M. Haase, Trenton, $24,463, 4.89 mi. and 5 mi. road from Maryville south, Nodaway Co., from J. Stanton, 6th and Kiowa Sts., Leavenworth, Kan., $31,947 and $29,232 respectively, 0.72 mi. Marshall-Miami Rd., 26 ft., Saline Co., from Pittsburgh-Des Moines Steel Co., Tuttle and South West 10th Sts., Des Moines, Ia., $17,844, 4.652 mi. road from Anderson south, 26 ft., McDonald Co., from B. C. Cossota, Oklahoma City, Okla., $62,057, 3.8 mi. road from Montgomery City south, 30 ft., Montgomery Co., from F. A. Stonner, Chamois, $15,827, 3.501 mi. road from Mansfield east and west, 26 ft., Wright Co., from A. M. Curtis and B. Ellis, Springfield, $17,150, 2.335 mi. road from Anderson south, 26 ft., McDonald Co., from C. J. Williams, Monett, $16,662, 2.165 mi. road from Mansfield east and west, 26 ft., Wright Co., from J. G. Nevels & Masoner, Willow Springs, $17,995; graveling 1.719 mi. road from Puxico north, 16 ft., Stoddard Co., from J. L. Richmond, Advance, $19,159, 3.771 mi. Benton-Charleston Rd., 16 ft., Scott Co., from F. D. Harvey & Co., Memphis, Tenn., $34,706, 0.872 mi. Festus-St. Louis Rd., 16 ft., St. Genevieve Co., from C. P. O'Reilley, Wainright Bldg., St. Louis, $34,225, 4.992 mi. road from Eldon north and south, 12 ft., from Fogleman & Thompson, Eugene, $23,573, 4.924 mi. Vienna-Dixon Rd., 12 ft., Maries Co., from J. M. Birmingham, Vienna, $27,580, concrete paving 4.89 mi. and 5 mi. road from Maryville south, 18 ft., from C. H. Atkinson Paving Co., Watertown, S. D., $78,493 and $81,803 respectively; 1.97 mi. road from Springfield south, 18 ft., Greene Co., from Springfield Constr. Co., Springfield, $47,575; graveling and concrete paving 3.33 mi. road from Bernie south, 40 ft., Stoddard Co., from Dexter Constr. Co., Dexter, $42,904. Noted Mar. 13.

Streets and Roads (Continued)

Wash., Seattle—Bd. Pub. Wks., Mar. 21, paving Bagley Ave. et al., from R. G. Stevenson, 1327 North 34th St., 12,300 sq. yd. 6-in. concrete $1.65, 830 ft. asphaltic concrete curbing $0.65, 7,250 ft. concrete curbing $0.35, 3,000 cu.yd. earth excav. $0.70, total $30,877. Engrs. est. $32,906.

California — State Hy. Comn., Sacramento, Federal Aid Project 144-A, 3.72 mi. Milpitas to Coyote Creek, Santa Clara Co., (1) 8,000 cu.yd. embankment (2) 10,080 tons asphaltic mixture, surface (3) 400 tons asphaltic mixture, repairs to existing base (items 2 and 3 produced by using plant furnished by contractor) (4) 4,400 tons broken stone in shoulders (5) 10,080 tons asphaltic mixture, surface (6) 400 tons asphaltic mixture, repairs to existing base (items 5 and 6 produced by using state plant at San Jose, considered as alternative for items 2 and 3), from Valley Paving & Constr. Co., 113 North Court St., Visalia, (1) $0.90 (2) $6.88 (3) $9.75 (4) $3.67 (5) $6.58 (6) $9.45, total using (1) and (2) $97,248, using (5) and (6) $94,104; Federal Paving Co., New Standard Oil Bldg., San Francisco, (1) $0.50 (4) $3 (5) $6.60 (6) $6.60, total $86,768. Noted Mar. 6.

Calif., Venice—Paving Indiana and Vernon Aves., 4 and 5 in. concrete, curbs, walks, gutters and sanitary sewers, from S. Pearson, 3847 South Bway., Los Angeles, $35,650.

Calif., Los Angeles—Los Angeles Co. improving Tract 4224, streets west of Fort McArthur, from Butterfield-Sears Co., 410 6th St., San Pedro, 69,422 cu.yd. excav. $0.50, 25,971 lin.ft. curb $0.60, 104,066 sq. ft. walks $0.20, 452,000 ft. oil screenings wearing surface $0.05. Noted Jan. 24.

Calif., Los Angeles—Improving Hoover St. between Fountain St. and Santa Monica Blvd., from G. R. Curtis, 2440 East 26th St., grading $2,450; 50,285 sq.ft. Warranite-bituminous $0.29, 4,332 sq.ft. walks $0.24, 2,309 sq.ft. sewer $0.32, etc. Noted March 20.

Calif., San Diego—Improving Cedar and Date Sts., from Griffith Co., 25 14th St., 246,122 sq.ft. 1½ in. sheet asphalt on 3 in. bituminous $0.162, 8,636 sq.ft. cement concrete sidewalk $0.22, 2,216 lin.ft. concrete curb $0.65, 1,095 cu.yd. earth excav. $1. Noted Jan. 24.

Calif., San Francisco—Improving 48th Ave. between Lawton and Santiago Sts., incl. 2,382 cu.yd. cut, 39,353 cu.yd. fill, 190,344 sq.ft. asphaltic concrete, etc., from Raisch Impvt. Co., 46 Kearny St., San Francisco, $116,684.

CONTRACTS AWARDED

Vermont—State Hy. Dept., Montpelier, will construct 3.1 mi. Newport, Vt.,-North Stratford, N. H., Rd., 15,400 cu.yd. excav., etc., by force account. T. W. Dix, ch. engr.

N. Y., Brooklyn—F. D. Gallatin, pres. Park Comrs., Municipal Bldg., New York, grading and paving, etc., Eastern Parkway, here, sheet asphalt on concrete, to M. J. O'Hara, 1228 Park Ave., New York, $140,-415. Noted Jan. 17.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, to Galecor Contg. Co., Ridge Blvd., grading, curbing, flagging and paving East 18th St. $5,613, curbing and flagging where necessary on West 12th St. $3,717, 67th St. $4,059; to Cranford Co., 52 9th St., sheet asphalt paving Lenox Rd. $3,404, Quentin Blvd. $16,077, Warehouse Ave., etc., $40,919, West 8th St. $91,932, 10th Ave. $11,652, 43rd St. $10,094, 77th St. $8,298, 79th St. $8,607, 81st St. $9,288; to M. J. O'Hara Contg. Co., 717 65th St., sheet asphalt paving West 35th St. $17,671; to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., sheet asphalt paving 67th St. $7,383; to W. G. Grimm, curbing and flagging where necessary on Lott Ave. $1,817, Quentin Blvd. $2,165; to W. E. Carberry, 45 South Elliott Pl., curbing and flagging where necessary on 66th St. $4,403. Noted Mar. 20.

Md., Townson—Comrs. Baltimore Co., concrete paving 1 mi. Group 5, Tufton Ave., 4th Dist., to H. T. Campbell & Sons Co., Townson, $27,490; macadam paving Group 6, Merritt Ave. and German Hill Rd., 12th Dist., to P. Reddington & Son, 2 East Lexington St., Baltimore, $28,609. Noted Mar. 20.

N. C., Charlotte—Paving various streets, to Blythe Bros., Brevard Ct., $620,000; sidewalks to Hooks & White, Charlotte, $73,600. Noted Mar. 13.

Fla., De Land—Volusia Co., paving and widening 4 mi. highway, 4½ ft. shoulder on each side, incl. 21,120 sq.yd. 6 in. concrete, to Inglis Constr. Co., De Land, $2.47 sq.yd.

Fla., Kissimmee — See "Material and Equipment."

Fla., St. Petersburg — Paving 11th St., etc., 427,425 sq.yd. vitr. brick, 240,540 lin. ft. granite curbing, to Georgia Eng. Co., Augusta, Ga., $1,500,000.

S. C., Lexington—Lexington Co., 12.41 mi. State Route 2, Federal Aid Project 234-B, to J. L. Carroll, Columbia, $41,060; topsoiling 7.176 mi. State Route 1, Federal Aid Project 234-A, to J. F. Cleckley, Cope, $20,703, 10.44 mi. State Route 391, to T. E. Hook, New Brookland, $44,176.

Ala., Decatur — Asphalt and concrete paving various streets, to Independent Paving Co., American Trust Bldg., Birmingham. Est. cost $300,000. Noted Feb. 28.

Ky., Louisville—Bd. Pub. Wks. reconstructing and paving Murray Ave., 22nd, 23rd and Lee Sts., etc., to F. G. Breslin, 32nd and Market Sts., Henry Bickel Co., 443 Garden St, and Louisville Asphalt Co., Floyd and Lee Sts. Total $250,000.

O., Ashtabula—Grading and brick paving State Rd., to T. P. Fitzgerald, Ashtabula, $102,648.

O., Cleveland—Cuyahoga Co., grading, vitr. tile guttering and 8 in. concrete paving 10,406 sq.yd. Highland Rd. 3, to Ohio Constr. Co., Hunkin-Conkey Bldg., $43,676. Engrs. est. $48,300. Noted Mar. 27.

O., Columbus—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 2.57 mi. Sect. "D" and 2.587 mi. Sect. "E" Barberton-Greenwich Rd., Ashland Co., bituminous concrete on waterbound macadam, to D. A. Phillips & Son, Ashland, $70,283 and $72,156 respectively. Noted Mar. 20.

O., East Cleveland (Cleveland P. O.)—Repaving and widening Shaw Ave., brick, to Rieley Bros., The Arcade, Cleveland, $28,655; repaving Nela Court, Cort and Lakeview Aves., asphalt, to Gould & Maybach, 16311 Saranec Rd., Cleveland Heights, $29,319; paving Euclid Ave. and resurfacing 4th and 6th Aves., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $11,144. Noted Mar. 20.

O., Jefferson—Ashtabula Co., paving and grading Sheffield-Kingsville Rd., to T. P. Fitzgerald, Ashtabula, $28,224. Engrs. est. $28,980.

Ind., Jasper—Dubois Co., hard surfacing 3.85 mi. Andrew Wagner Rd., 18 ft., to O. P. Ohlinger, Ferdinand, $54,890. Engrs. est. $63,038.

Ind., Kokomo—Hardsurfacing 0.95 mi. roads, 30 ft., in Patterson Park Addition, to Citizens Paving Co., Kokomo, $26,620. Engrs. est. $28,240.

Ind., Marion—Grant Co., hard surfacing 3.5 mi. Charles Trueblood Rd., 18 ft., to Huffman Co, Warren, $53,490. Engrs. est. $55,000.

Ind., Winchester—Randolph Co., grading and graveling 3.8 mi. G. S. Wampler Rd., 18 ft., to J. L. Teegarden, Union City, $33,000. Engrs. est. $38,155.

Michigan — State Hy. Dept., Lansing, grading and surfacing 0.992 mi. State Trunk Line Rd. 27-12, Sect. D, Sanilac Co., 15,441 sq.yd. asphalt, concrete or bituminous concrete and 1.001 mi. State Trunk Line Rd. 46-25, Sanilac Co., 13,385 sq.yd. asphalt, concrete or bituminous concrete, to Deckerville Constr. Co., Deckerville, $35,268 and $29,630 respectively.

Michigan — State Hy. Dept., Lansing, grading and surfacing 8.91 mi. Federal Aid Project 87, Sects. A and B, Wayne Co., 104,900 sq.yd. asphalt, concrete or bituminous concrete, to Wayne Co. Rd. Comn., Detroit, $285,120.

Mich., Brighton—Grading and concrete surfacing Grand River Ave. and Main St., to Rennie & Dibble, Detroit, $37,900.

Mich., Flint—Genesee Co., grading and surfacing with 2 course gravel, 10 mi. Rds. 36, 58, 63 and 71, 3 mi. to J. Dunn, Grand Blanc, 2 mi. to Westfall, Payne and Westfall, Montrose, 2 mi. to T. McNally, Saginaw, and 3 mi. to W. Johnson, Flint.

Mich., Monroe—F. M. Kressbach, city clk., 21,621 sq.yd. 8 in. concrete on Sackett Ave., East 3rd and West 8th Sts., to Webber Constr. Co., Ionia, $77,613.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, 18 ft concrete paving on 2.99 mi. Route 8, Sect. 32, Woodford Co., to Hedges Constr. Co., Chicago, $60,506, 12.84 mi. Route 25, Sects. 15 and 16, Coles and Cumberland Counties, to Stressenreuter Bros., 3020 South Halsted St., Chicago, $238,800; 1 girder and 1 substructure for steel bridge on Route 3, Sect. 26 B, Mercer Co., to C. D. Stratten, Little York, $8,566. Noted Feb. 7.

Wis., Green Bay—Brown Co., concrete surfacing Greenleaf-Lark Rd., to Jorgenson Constr. Co., Denmark, $94,315; State Rd. and Dixon Rd., to H. O. Schaefer & Sons, Green Bay, $58,627 and $52,331 respectively. Noted Mar. 6.

Wis., Menasha—Concrete paving 10,000 sq.yd. 3rd and De Pere Sts., to J. Schneider Contg. Co., $32,149.

Ia., Grundy Center—Grundy Co., 89,221 cu.yd. earth excav., to C. C. Barnes, 343 51st St., Des Moines, $22,528; 10,000 lin.ft. 6 in. drain tile, to L. Wical, Grundy Center, $3,506.

Ia., Sioux City — Paving Dupont Ave., Chambers, Morgan and 33rd Sts., 10,400 sq.yd. concrete on 6-in. concrete, to P. C. Hansen & Son, 1422 Court St., $2.10 per sq.yd.; Perry and 5th Sts., 25,000 sq.yd., to Western Asphalt Paving Corp., 1st and Nebraska Sts., $2 per sq.yd.

Kan., Hays — Grading and paving 15 blocks, 3-in. vertical fibre brick on 5-in. concrete with 1-in. sand cushion and asphalt filter, 8 x 24 in. concrete curb and gutter, to H. J. Taylor, Belleville, $3.80 per sq.yd. for paving, $0.95 per lin.ft. curbing and guttering, $0.60 per cu.yd. grading. Noted Jan. 3.

Minnesota—State Hy. Dept., St. Paul, grading 11 mi. road between Foxhome and Fergus Falls, State Project 3-40, Federal Aid 351, 144,000 cu.yd. excav., to Stanley Bros., St. Cloud, $45,241; 7 mi. between Ball Club and Deer River, State Project 8-31, Federal Aid Project 168, 63,000 cu.yd. excav., to M. Barrett, St. Cloud, $30,017; 6 mi. between Minneopa and Mankato, State Project 5-28, Federal Aid 320, and 11 mi. between New Ulm and Lafayette, State Project 15-30, Divs. A and B, Federal Aid Project 341, to Nolan Bros., 18 North 2nd St., Minneapolis, $76,696 and $77,397 respectively; 7 mi. between Ogilvie and Mora, State Project 23-24, Federal Aid Project 337, 122,000 cu.yd. excav., to C. F. Johnson, Forest Lake, $42,270; 9 mi. between Mora and Quamby, State Project 23-30, Div. A, Federal Aid Project 257, 104,000 cu.yd. excav., to S. J. Groves & Sons Co., 306 Globe Bldg., Minneapolis, $42,328; 6 mi. between Erhart and Pelican Rapids, State Project 30-26, Federal Aid Project 354, 108,000 cu.yd. excav., to Studor & Manion, Excelsior, $32,144; 8 mi. between Eden Valley and Watkins, State Project 69-21, Sect. 1, Federal Aid 339, 86,000 cu. yd. excav., to W. Petrie, Champlin, $26,-801. Noted Mar. 6.

Minn., St. Paul—H. W. Austin, city purch. agt., paving Grand Ave. between Nilton St. and Cretin Ave., 52,867 sq.yd. 3-in. vertical fibre brick, 315 sq.yd. creosoted wood blocks, and George St. between Ohio and State Sts., 6,017 sq.yd. brick, 15,484 sq.yd. asphaltic concrete, etc., to Thornton Bros. Co., 318 Endicott Bldg., $231,244 and $81,431 respectively; Grand Ave. between Oakland Ave. and Milton St., 16,247 sq.yd. 3-in. vertical fibre brick, etc., to Feyen Constr. Co., 277 Burgess St., $67,200; Park Ave. between Wabasha St. and Como Ave., and Como Ave. between Park Ave. and Rice St., 11,288 sq.yd. 3-in. vertical fibre brick, etc., to Hanlon & Okes, 338 Lumber Exch., Minneapolis, $50,442. Noted Mar. 13.

Minn., Worthington—Nobles Co., grading 12 mi. Job 2402, State Rd. 14, 95,970 cu.yd. excav., 41,690 cu.yd. overhaul, to McGuire Bros., Forest City, Ia., $28,510.

Neb., Battle Creek—Paving 18,400 yd., curbing 9,000 ft. and grading 7,000 yd. in Dist. 1, to A. A. Dobson Constr. Co., 1st Natl. Bank Bldg., Lincoln, $56,000.

Neb., Nebraska City—Paving 55,000 yd. various streets, to Abel Constr. Co., Terminal Bldg., Lincoln, $160,000. Noted Feb. 7.

S. D., Sioux Falls—Paving 23 blocks to C. H. Atkinson Paving Co., 304 Western Surety Bldg., $2.62 for sheet asphalt, $2.37 for bituminous concrete and $2 for concrete. Noted Mar. 27.

N. D., Minot—Ward Co., 8 mi. Federal Aid Project 182, 62,856 cu.yd. excav., etc., and 9 mi. Federal Aid Project 82, 70,311 cu.yd. excav., to Schultz Bros., Bowbells, $27,079 and $31,930 respectively.

Mo., Higginsville—For 11,813 sq.yd. concrete paving to Haller & Davis, Boonville, $34,621.

Mo., Kansas City—Jackson Co. constructing Winner Rd. and small concrete bridge, to Norton Bros., 3200 Central St., $111,782.

Mo., Slater—For 10,000 yd. concrete paving, to C. F. Brindle, Kansas City, $31,-959. Noted Mar. 6.

Ark., Pine Bluff—Constructing road in Dist. 71, to Kaw Paving Co., 616 N. E. Bldg., Topeka, Kan., $54,116.

Tex., Canton—Van Zandt Co., grading and gravel surfacing 7.14 mi. State Highway 15, Federal Aid Project 363-C, 451.5 cu.yd. concrete in structures, 51,863 cu.yd. roadway and 14,137 cu.yd. borrow excav., 39,636 sq.yd. concrete pavement, etc., to T. F. Larkin & Co., 3927 Bowser St., Dallas, $136,047. Noted Mar. 27.

Tex., Galveston—Improving 25th St., to Bart Moore Constr. Co., Amicable Bldg., Waco, 27,665 sq.yd. concrete paving $2.60, 3,254 ft. drain $1.35 per ft., 10,114 ft. coping $0.35.

Tex., Harlingen—Willacy Co., gravel surfacing 7 mi. highway, 16 ft., to Dobbs & Wedegarter, San Benito, $78,748.

Streets and Roads (Continued)

Tex., Houston—Grading Buffalo Bayou Dr. from Baker to Terrell Sts., to Starket & Brown, 2nd Natl. Bank Bldg., $28,000.

Nev., Reno—Improving various streets, concrete pavement, curbs, gutters, walks, to I. Christensen, Reno, $49,720; paving asphaltic concrete with Warrenite-bituminous surface, to Clark & Henery Co., Chancery Bldg., San Francisco, $130,745. Noted Aug. 23.

Wash., Chehalis — City Comn., cement sidewalks on Chehalis Ave., Market St., et al., 160,000 sq.yd. sidewalks, to J. H. Collins, 1902 Jackson St., Seattle, $35,504. Engrs. est. $40,000.

Calif., Compton — Improving Arbutus, Magnolia, School Sts., etc., incl. 730,800 sq.ft. grading, 730,800 sq.ft. 5 in. concrete, etc., to H. H. Oswald, 366 East 58th St., Los Angeles, $133,745. Noted Mar. 20.

Calif., Huntington Beach — To G. M. Souter, Box 626, grading, paving, curbs, gutters, walks and lighting systems, portion 5th St., 3 in. Willite on 4 in. asphaltic concrete, $44,782; portion 10th St., 2 in. Willite on 4 in. asphaltic concrete, $41,825; portion 15th St., 2 in. Willite on 3 in. asphaltic concrete $44,649. Noted Feb. 14.

Calif., Los Angeles—Improving Oxnard St. between Woodman and Sherman Sts., to Gibbons & Reed, 905 South Olive St., grading, $1,975, 108,902 sq.ft. concrete, $0.2275, total $26,800; Waverly Ave. between Auburn St. and Hyperion Ave., to G. A. Constantine, Haas Bldg., grading $7,560, 52,816 sq.ft. concrete $0.235, 1,666 ft. light curb $0.58, 7,879 sq.ft. walks $0.21 sanitary sewer complete $6,500. Noted Mar. 20.

Calif., Mill Valley—Improving Alcatraz, Corte Madera Aves., etc., incl. 4,624 cu.yd. grading, 121,007 sq.ft. 5 in. concrete, 19,044 sq.ft. macadam, 2,730 lin.ft. concrete curb and gutter, 2,768 sq.ft. concrete gutter, etc., to F. C. McIntyre, Farmers & Merchants Bank Bldg., Stockton, $41,780. Noted Feb. 21.

Calif., Modesto—Stanislaus Co., improving Newman-Hills Ferry Highway, to Merced Concrete Pipe Co., 16th and H Sts., Merced, 273,652 sq.ft. concrete $0.206, 7,000 cu.yd. excav. $0.63, total $60,782.

Calif., Monterey — Improving Spencer, Archer Sts., etc., incl. 35,000 lin.ft. concrete curb and gutter, 450,000 sq.ft. 5 in. waste quarry rock pavement, 2,500 lin.ft. corrugated iron and concrete culvert, to J. L. Conner, Box 565, Santa Cruz, $81,900. Noted Mar. 20.

Calif., Oakland—F. T. Wood & Co., 417 15th St., improving 25 acre tract, oil macadam, concrete curbs, gutters, etc., to Heafey-Moore-McNair, 2030 High St., San Francisco, $75,000. Noted Feb. 14.

Calif., Oroville—Improving Lincoln, Oak, Pine Sts., etc., incl. 4,100 cu.yd. excav., 170,400 sq.ft. 2½ in. asphaltic concrete with 1½ in. Warrenite surface, etc., to Lord & Bishop, 113 Orange Ave., $42,748. Noted Feb. 28.

Calif., Redondo Beach—Improving Aves. A, B, C, D, etc., incl. 205,800 sq.ft. rock and screenings surface, 93,101 sq.ft. cement concrete with oil screenings protective coat, 15,295 lin.ft. r. w. headers, to Pacific Paving Co., Metropolitan Theatre Bldg., Los Angeles, $38,175.

Calif., San Diego — See "Unclassified under Pier."

Calif., Santa Ana — Improving portion West 2nd St., to Wells & Bressler, California Bank Bldg., 105,085 sq.ft. concrete $0.1985, 2,121 ft. curb $0.50, etc.

Calif., Santa Ana — Orange Co. paving Placentia Rd. (Rd. Impvt. 23), to Griffith Co., Railway Bldg., Los Angeles, $82,500.

Industrial Works

PROPOSED WORK

Conn., Stratford (Bridgeport P. O.) — Factory—Bridgeport Safety Emery Wheel Co., 82 Knowlton St, Bridgeport, plans 1 and 2 story, brick and steel, plain foundation, West Broad St., here. Engineer and architect not selected.

N. Y., Fultonville — Factory — Brand & Nellis Silk Mfg. Co. plans brick, concrete and steel, to replace one recently destroyed by fire. $75,000-$100,000.

N. Y., Long Island City—Factory—H. Maillard, 368 5th Ave., New York City, having sketches made by Buchman & Kahn, archts. and engrs., 49 West 45th St., New York City, 7 story, rein.-con., brick and steel, plain foundation, Henry St., here. $750,000.

N. Y., Troy—Troy Coke & Iron Corp., had plans prepared and takes bids about May 1, blast furnace and coking plant. $3,000,000. W. E. Millhouse, Brunswick Rd., genl. mgr. W. W. Wright and L. Willard, Troy, engrs.

N. Y., Waverly — Factory — Frank & Dugan, plan 60 x 800 ft., brick, concrete and steel, Broad St. $100,000.

Pa., Reading—Factory—Carpentier Steel Co., River Rd. and Exeter St., having plans prepared by F. H. Muhlenberg, Ganster Bldg., 1 story, 150 x 400 ft. brick and steel, plain foundation, River Rd. and Exeter St. $200,000.

N. C., Spencer—Roundhouse, etc.—Southern Ry., 13th and Penna Ave., Wash., D. C., plans 37 stall roundhouse, 51 x 155 ft. flue and babbitt shop, 100 ft. turn table, 320 ft. runway for 10 ton traveling crane and other shop and yard facilities, here. Cost several hundred thousand. R. Hayes, structural engr.

Fla., St. Petersburg—Gas Plant, etc.—City election May 20, $125,000 bonds, gas plant and main extensions. E. Kitchen, St. Petersburg, engr.

La., Baton Rouge—Plant—C. C. Mengel Co., Dumesnil Ave. between 11th and 12th Sts., Louisville, Ky., purchased land 4 mi. from here and plans plant. $1,000,000.

Tenn., Chattanooga—Mill—B. L. Talley Milling Co., 1420 Cowart St., plans to rebuild mill recently destroyed by fire. $50,000.

O., Avon Beach (near Cleveland)—Power House—Cleveland Electric Illuminating Co., c/o J. F. Cook, constr. engr., Illuminating Bldg., Cleveland, having plans prepared 1 story, brick, steel and concrete, here. Engineers and architects names withheld.

O., Cleveland — Factory — Automobile Hospital Co., 2076 East 22nd St., had plans prepared by E. McGeorge, 3020 Euclid Ave., 1 and 2 story, 30 x 90 ft., brick and steel, 2076 East 22nd St. $40,000.

O., Massillon—Factory—Realty Rubber Co. plans rebuilding factory to replace one recently destroyed by fire. $50,000.

O., Mineral City—Power House—Hickory Mining Co., Finance Bldg., Cleveland, plans 1 story, 30 x 48 ft., brick and steel, here. $75,000. Private plans.

Ill., Chicago—Laundry and Power House—Howard Laundry, 2900 West 22nd St., having plans prepared by Ronneberg & Pierce, 10 South La Salle St., 1 story, 50 x 125 ft. and 30 x 40 ft., fireproof, Rogers St. and Clayton Court. $50,000.

Wis., Madison—Laundry—Bd. Health, H. C. Buser, city clk., having plans prepared by Claude & Starck, Badger Annex, 2 story and basement, 36 x 70 ft. boiler house and laundry, brick, rein.-con. and steel, plain foundation. $50,000.

Wis., Waukesha — Factory — Quality Aluminum Casting Co., Lincoln Ave., plans 1 story, 40 x 100 ft. addition, brick and steel, plain foundation. $40,000. Engineer and architect not selected.

Kan., Kansas City — Factory — Kansas City Can & Mfg. Co., 1019 North 4th St., preparing plans 4 story and basement, rein.-con. and brick factory. $100,000. Private plans.

Mo., St. Louis—Factory—S. G. Adams Stamp & Stationery Co., 410 North 6th St., soon takes bids 4 story, brick and concrete addition, 30,000 sq.ft. floor space, Garrison and Franklin Aves. C. H. Deitering, Central Natl. Bank Bldg., archt.

Ore., Tigard — Factory — Amer. Ry. Car Co., 613 Henry Bldg., Portland, having plans prepared by E. A. Miller, Henry Bldg., Portland, and takes bids about May 9, 1 and 2 story, 60 x 300 ft., factory and office building, 8 acre site, here. $75,000. A. D. Brown, 613 Henry Bldg., engr.

Calif., El Monte — Laundry — Mission Laundry Corp., 319 South Raymond Ave., Pasadena, plans laundry, here. To exceed $50,000.

Calif., Ignacio — Packing Plant — California Packing Corp., 101 California St., San Francisco, having plans prepared by P. Bush, 101 California St., San Francisco, packing plant, here. $50,000.

Calif., Loyalton—Lumber Mill, etc.—Clover Valley Lumber Co. plans to enlarge lumber mill, build 8 mi. logging road and install traveling crane. Logging road will probably be built by day labor.

Calif., Oakland—Factory—Niedringhaus Metal Ware Corp., 5739 Natural Bridge St., St. Louis, Mo., plans factory on 5 acre site along tracks of Southern Pacific and Western Pacific R.R., here. To exceed $50,000.

Calif., Oakland — Factory — Montague Pipe & Steel Co., Hobart Bldg., San Francisco, had plans prepared, 1 story, steel, concrete and corrugated iron, 22nd, 24th, Kirkham and Poplar Sts., here. $100,000 or more. Private plans.

Calif., Oakland — Plant — Puget Sound Auto Co., c/o W. A. King, Bank of Savings Bldg., plans plant on 5 acre site.

Calif., Oroville—Power House—See "Unclassified under Hydro-Electric Development."

Calif., Ontario — Factory — Ironall Factories of California, 822 South Los Angeles St., Los Angeles, having plans prepared by F. O. Eager, 137 East White Oak St., Monrovia, first unit overall factory, 60 x 125 ft., here. To exceed $50,000.

Calif., San Francisco—Laundry—Independent Laundry, 2798 19th St., having revised plans prepared by J. J. Foley, 770 5th Ave., 2 story and basement, 200 x 200 ft., rein.-con. laundry, also 1 and 2 story, 40 x 100 ft. addition to present structure, Alabama and 18th Sts. $115,000 or more. Former bids returned unopened. Noted Mar. 20.

Calif., Vacaville—Substation—Pacific Gas & Electric Co., 445 Sutter St., San Francisco, appropriated $855,000 for additions to substation, here.

Ont., Ft. William—Great Lakes Paper Co. takes bids about Apr. 15, paper mill. $2,000,000.

BIDS DESIRED

Vt., Morrisville—Power House—See "Unclassified."

Pa., Chester—Substation—Mar. 31, by J. T. Windrim, archt., Commonwealth Bldg., 1 story and basement, 60 x 136 ft., brick and steel substation, plain foundation, 6th St. between Welsh and Crosby Sts., for Delaware Co. Electric Co., c/o Phila. Electric Co., 10th and Chestnut Sts., Phila.

Pa., Elkins Park—Power House—Apr. 7, by Bd. Educ. Abington Twp., 1 story 40 x 70 ft. with brick stack 92 ft. high, for high school. Heacock & Hokansen, Bailey Bldg., Phila., archts.

W. Va., Bluefield—Power Plant—Appalachian Power Co., 31 Nassau St., New York City, plans last unit to power plant, 20,000 kw. capacity, here. Viele, Blackwell & Buck, engrs., 49 Wall St., New York City, will handle above project and award all separate contracts.

Miss., Neches—Power House—Southern Ry. & Light Co. taking bids 75 x 75 ft., brick, steel and iron, $45,000.

O., Cleveland — Factory — S. Bingham Sons Co., 1515 Kentucky Ave., Indianapolis, Ind., taking bids 3 story and basement, 107 x 113 ft., brick and steel, Clinton and Dexter Aves., here. $100,000.

Wis., Milwaukee—Factory—O. H. Kindt Mfg. Co., 986 47th St., taking bids 2 story, 60 x 150 ft. factory, 1 story, 60 x 92 ft. warehouse and 1 story, 30 x 42 ft., boiler-engine house, brick and timber, plain foundation, Cedarburg Rd. $75,000. Private plans.

Kan., Fredonia—Electric Light Plant—Apr. 14, by City Comn., electric light plant and distribution system incl. 300 hp. Diesel oil engines, generators, switchboard, building, electric distributing lines and street lighting system. A. L. Mullergren, 555 Gates Bldg., Kansas City, Mo., consult. engr.

New Zealand, Wellington—May 21, by Secretary Pub. Wks. Tenders Bd., power house and plant; adv. E. N.-R. Apr. 3.

New Zealand, Wellington—Apr. 30, by Secretary Pub. Wks. Tenders Bd., headworks; adv. E. N.-R. Apr. 3.

BIDS RECEIVED

D. C., Wash. — Headhouse — Norfolk & Washington Steamboat Co., 731 15th St., constructing headhouse recently destroyed by fire, from V. T. H. Bien, 3118 11th Ave. N. W., $32,423 (90 days).

CONTRACTS AWARDED

Pa., Erie—Factory—Erie Steam Shovel Co., 1 story, 200 x 200 ft. brick and steel addition to factory, to Constable Co., Erie, $100,000. Noted Mar. 13.

Pa., Manayunk (Phila. P. O.)—Substation—Phila. Electric Co., 10th and Chestnut Sts., Phila., 2 story and basement, 57 x 60 ft. brick, steel and stone substation, Main and Green Sts., here, to Irwin & Leighton, 126 North 12th St., Phila. Noted Mar. 13.

Pa., Phila.—Heating Plant—McClellan & Junkersford, engrs., Otis Bldg., 1 story, 65 x 138 ft., brick and steel, west bank of Schuylkill River south of South Bridge, for Trustees University of Pennsylvania, 34th and Spruce Sts., to Turner Constr. Co., 1713 Presser Bldg.

Pa., Phila.—Substation—J. T. Windrim, archt., Commonwealth Bldg., 1 story and basement, 60 x 82 ft., brick, steel and stone, Olney Ave. and Wister St., for Phila. Electric Co., 10th and Chestnut Sts., to J. N. Gill Constr. Co., City Center Bldg. Archts. est. $150,000.

Industrial Works (Continued)

Pa., Pittsburgh—Plant—B. H. Prack, archt., Keystone Bldg., 2 and 4 story and basement, 30 x 62 ft. and 85 x 282 ft. additions to plant, Lang Ave., to Hughes-Foulkrod Co., Stevenson Foster Bldg., for Westinghouse Electric & Mfg. Co., East Pittsburgh. $275,000.

Pa., Reading — Storage, etc. — F. H. Muhlenberg, archt., Ganster Bldg., 1 story, 50 x 100 ft., brick and steel, plain foundation, 12th and Bern Sts., to Fink Constr. Co., 658 Penn St., for Noe Equl Hosiery Co., 12th and Bern Sts.

Md., Baltimore—Plant—Stieff Co., 17 North Liberty St., 1 story, brick, plain foundation, Cedar Ave., to L. L. Chambers, 36th and Roland Ave., $125,000.

Va., Bristol — Glass Works — Central Glass Co., 30th St. and Bway., Louisville, Ky., 2 story, 70 x 144 ft., glass works, here, to D. W. Wagner, Bristol. $55,000.

N. C., Charlotte—Factory—H. M. Wade, South Graham Ext., 4 story, fireproof, to Southeastern Constr. Co., Trust Bldg., $100,000.

Tenn., Athens—Foundry and Warehouse—Athens Plow Co., 1 story brick, concrete and steel addition, to O. W. Duggin & Co., Athens. Est. cost $40,000.

Ky., Hickman — Factory — Mengel Co., 11th and Dumesnil Sts., will rebuild one unit of factory recently destroyed by fire, by day labor. Est. cost $200,000. Noted Feb. 28.

Ky., Louisville—Garage and Salesroom—Summers-Herrman Inc., 905 3rd St., 3 story, 90 x 100 ft., 3rd and Breckenridge Sts., to National Concrete Constr. Co., Board of Trade Bldg. Archts. est $150,000. Noted Mar. 20.

O., Cleveland—Dry Kilns—Baker R. & L. Co., 2180 West 25th St., 1 story, 54 x 192 ft., brick and steel, West 80th St., to H. G. Slatmyer & Son Constr. Co., 203 Lakeside Ave., N. W. Archts. est. $150,000.

O., Cleveland—Factory—Virden Co., 6103 Longfellow Ave., 1 story, 20 x 80 ft., brick and steel, 6703 Longfellow Ave., to Griffin Constr. Co., 5511 Euclid Ave. Archts. est. $40,000.

O., Cleveland—Factory—Chicago Pneumatic Tool Co., c/o T. P. Kimman, mgr., 1241 East 49th St., 3 story and basement, 43 x 126 ft., brick and steel, plain foundation, to Schirmer O'Hara Co., 2031 Euclid Ave. Archts. est. $75,000.

O., Cleveland — Shop — A. H. Bennett, 2180 East 19th St., 2 story, 40 x 70 ft., brick and steel, to W. I. Thompson & Son Co., 5103 Euclid Ave. Archts. est. $40,000.

Ill., Chicago—Boiler House—Crane Co., 41st and Kedzie Sts., 1 story, 87 x 104 ft., fireproof, 4100 South Kedzie St., to T. G. Gage Co., 64 West Randolph St. Archts. est. $200,000. Noted Nov. 1.

Minn., Duluth — Warehouse — Universal Portland Cement Co., Morgan Park, 2 story, 180 x 200 ft., cement block, to Bland Eng. Co., Minneapolis, $100,000.

Neb., Omaha — Printing Plant — Klopp-Bartlett Co., 10th and Douglas Sts., 1 story and basement, 132 x 132 ft. brick, general contract, to Pre-Fabricated Constr. Co., Chicago. Engrs. est. $85,000.

Mo., Kansas City—Plant—See "Buildings."

Mo., St. Joseph—Laundry—Conser Laundry Co., 908 Francis St., 1 and 2 story and basement, 17th and Buchanan Sts., to Constr. Serv. Co., 1604 South 22nd St. Archts. est. $160,000.

Nev., Sparks — Packing Plant — Pacific Fruit Express, 65 Market St., San Francisco, will build 1 story frame and galvanized iron addition to packing plant, here, by day labor. $42,000.

Calif., Antioch—Factory—Paraffine Companies, Inc., 475 Brannan St., San Francisco, 1 story, 220 x 295 ft., brick addition to factory, here, to F. Stamm, 25 A St., $54,000.

Calif., Roseville—Packing Plant—Pacific Fruit Express Co., 65 Market St., San Francisco, will build 1 story, rein.-con. and steel, by day labor, here. $80,000.

Calif., Sacramento — Warehouse — Ward Seed Co., c/o contractor, 1 story and mezzanine, 110 x 165 ft., brick and heavy mill construction, 16th St., to P. R. Ward, 180 Jessie St., San Francisco, cost plus basis. Traveling conveyors will be installed.

Calif., San Pedro — Factory — California Thorne Cordage Co., c/o contractor, 90 x 250 ft. main building, 3 storage plants, each 50 x 100 ft., general office building, etc., brick and steel, here, to Johnson Co., 1007 South Grand Ave., cost plus percentage basis.

Buildings

PROPOSED WORK

Mass., Malden — School — Owner, c/o Marcia C. Broune School, had plans prepared by M. A. Dyer, 1 Beacon St., Boston, 2 story, 76 x 150 ft. and 44 x 108 ft., brick and steel, Bway. $350,000.

N. Y., Albany—Hotel—J. L. Baker, pres, Hampton Hotel Co., 38 State St., plans 10 story, 350 room addition, Green St. side. $1,000,000.

N. Y., Albany — Storage Warehouse — Security Storage & Warehouse Co., 1 Dean St., plans concrete and steel, South Pearl and Gansevoort Sts. To exceed $250,000.

N. Y., Buffalo—High School—Bd. Educ. plans East Side High School. To exceed $150,000. Kidd & Kidd, 524 Franklin St., archts.

N. Y., Buffalo—Lodge—Buffalo Lodge of Eagles plans 4 story and basement, ornamental brick, stone, steel and concrete, Pearl and West Tupper Sts. $400,000-$425,000.

N. Y., Buffalo—School—Bd. Educ. plans Seneca Vocational School. To exceed $150,000. F. A. Spangenberg, 250 Delaware Ave., archt.

N. Y., Elmira — Church — Local Presbyterian Churches plan new church West Clinton St. $175,000-$200,000.

N. Y., Elmira—Library—Building Com. Elmira College, had plans prepared by Coolidge & Shattuck, 122 Ames Bldg., Boston, Mass., and Pierce & Bickford, 118 Lake St., 3 story, brick, stone, concrete and steel, Washington and College Aves. $250,000.

N. Y., Fort Plain — Bank — Fort Plain Natl. Bank plans brick, stone, marble, steel and concrete. $200,000.

N. Y., Jamaica—Store and Office—H. O. Falk, c/o Shampan & Shampan, archts. and engrs., 189 Montague St., Brooklyn, having plans prepared 3 story store and office building, Fulton St. near Aslop St., also 6 story office building, Fulton St. near Canal St., brick, steel and stone, plain foundations, here. $250,000 each.

N. Y., Lackawanna (Buffalo P. O.)—Schools—Voted $225,000 bonds for new school, $235,000 bonds new school, Orange and Franklin Sts., $70,000 bonds remodeling School 4 and heating system in School 2.

N. Y., New York—Apartment—P. Meirowitz, c/o Sommerfeld & Steckler, archts. and engrs., 31 Union Sq., having plans prepared 12 story, brick, steel and stone, plain foundation, West 68th St.

N. Y., New York—Apartment—Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., preparing plans 5 story, brick, steel and stone, plain foundation, Vyse Ave. $300,000. Owner's name withheld.

New York—Clubhouse—Allerton House Corp., 369 Lexington Ave., New York City, plans brick, steel and stone, plain foundation, at Milton Point, Weschester Co. $500,000. Engineer and architect not selected.

N. Y., New York—Court House—City plans brick, steel and stone, plain foundation, Williamsbridge Rd. $350,000.

N. Y., New York—Bath—City plans brick, steel and stone, plain foundation, East 143rd St. between Willis and Brook Aves. $300,000.

N. Y., New York—Store—John Wanamaker, Inc., Bway. and 10th St., having preliminary plans prepared altering brick, steel and stone, plain foundation, Bway. and 9th St. $200,000. Private plans.

N. Y., Olean — Temple — Building Com. Masonic Lodge plans new temple. $150,000.-$200,000.

N. Y., Schenectady—Y. M. C. A. having sketches made by J. F. Jackson, 137 East 45th St., New York City, new building. $350,000-$400,000. Noted July 19.

N. Y., Snyder—School—Building Com. Snyder School Dist. 1, plans brick, concrete and steel. $150,000. M. J. Schenck, chn. Engineer and architect not selected.

N. Y., Syracuse—Academy—St. John the Baptist Parish, plans new academy, Park St. $150,000. J. M. Hughes, Park St., pastor.

N. Y., Syracuse—Temple—Com. of 15 Tigris Temple representing associated Masonic Orders of Syracuse, having plans prepared by Osgood & Osgood, Grand Rapids, Mich., modern temple. To exceed $250,000.

N. Y., Tonawanda—High School—Election Apr. 16, $650,000 bonds new high school. T. W. Barrally, city engr. Noted Mar. 20.

N. Y., Troy—Hotel—Building Com. of Troy Chamber of Commerce, plans new hotel. $1,000,000-$1,250,000. C. W. Ferguson, chn. Engineer and architect not selected.

Pa., Bellefonte—Hospital—Centre County Hospital Com. plans campaign to raise $100,000 for 3 story and basement, rein.-con., brick and steel hospital. Main St. Total cost $150,000. $50,000 and site now available.

Pa., Phila.—Church and Sunday School—Zion Lutheran Church, 117 East Tabor Rd., having revised plans prepared by Ritcher & Eiler, Reading, 1 story and basement, 65 x 118 ft., Fishers Lane, 1st and Olney Aves. $150,000.

Pa., Somerset—School—Somerset School Dist. plans election to vote on $100,000 bonds for 3 story and basement, 90 x 125 ft., rein.-con. and brick school. $50,000 now available.

Pa., Williamsport—Theatre and Office—Majestic Theatre, G. H. Bubb, mgr., having plans prepared by W. H. Lee, 1505 Race St., Phila., 2 story and basement, 70 x 122 ft., brick and steel, plain foundation, here.

Md., Baltimore — Apartment — Arcadia Building Corp., c/o J. H. and F. J. Thuman, archts., 2401 Shirley Ave., having revised plans prepared 4 story, 101 x 102 ft., brick, plain foundation, Harford Rd. and Parkside Dr. $350,000. Noted Jan. 17.

W. Va., Charleston — Theatre — United Theatre Enterprise Co., Huntington, having plans prepared by Carmichael-Millspaugh, 67 East Long St., Columbus, O., 1 story and basement, 50 x 160 ft., rein.-con. and brick, here. $150,000.

N. C., Asheville — Auto Storage — J. A. Barnard and W. F. Byram, having plans prepared by G. L. Preacher & Co., Healy Bldg., Atlanta, Ga., 4 story, 154 x 210 ft., rein.-con. $350,000.

N. C., Fayetteville — Auditorium — Citizens plan auditorium. $150,000. H. McD. Robinson, mayor.

Ala., Birmingham—Schools and Library—Voted $3,000,000 bonds for schools and $750,000 for library. Noted Mar. 6.

Miss., Meridian—Schools—Having plans prepared by P. K. Krouse and B. Stuart, of Meridian, and F. P. Dressler, consult. archt., Nashville, Tenn., schools. $500,000. Noted Feb. 7.

La., Shreveport—Exchange—Cumberland Telegraph & Telephone Co., Shreveport, plans new exchange, Line and Adams Sts., also extensions to lines. $460,000.

Tenn., Nashville—Dormitory—Vanderbilt University School of Medicine plans dormitory on campus. $500,000. J. H. Kirkland, chancellor.

Tenn., Nashville—Office—Life & Casualty Insurance Co., 309 Church St., plans 8 story and basement, 159-167 4th Ave. N. $500,000. A. M. Burton, pres. Architect not selected.

O., Canton—Club—Elks Home Co., 335 Tuscarawas St. W., takes bids in spring, limestone, brick and steel front addition, Tuscarawas and Dewalt Sts. $165,000. G. C. Tilden, Schaefer Blk., archt.

O., Canton—Lodge—Knights of Columbus, 6th St. N. W., plans addition. $160,000. Address J. Blake, Schaeffer Blk., member building com.

O., Cleveland—Apartment—M. Silverman, 911 Thornhill Dr., having plans prepared by M. Altschuld, 5116 Woodland Ave., 3 story and basement, 38 x 120 ft., brick and timber, East 87th St. $150,000.

O., Cleveland—Apartment—M. and W. Rosen, c/o Eagle Cap Co., 608 St. Clair Ave., having sketches made by Braverman & Havermaet, 201 Ulmer Bldg., 3 story and basement, brick and timber, Superior Rd. $200,000.

O., Cleveland — Church — St. Ignatius Roman Catholic Church, 10205 Lorain Ave., plans 1 story, brick, steel and stone, plain foundation, Lorain Ave. and West Blvd. $250,000. E. T. P. Graham, Newburry St., Boston, Mass., archt. Noted Jan. 24.

O., Cleveland—Commercial and Office—M. Gusman Investment Co., Huron-6th Bldg., plans 8 to 12 story, brick and steel, East 4th St. and Huron Rd. $350,000. Engineer and architect not selected.

O., Cleveland—Commercial and Office—S. Rosenthal, Ulmer Bldg., had plans prepared by A. F. Janowitz, 811 Prospect Ave., 3 story and basement, 79 x 177 ft., brick, Detroit Ave. and West 110th St. $200,000.

O., Cleveland—Hotel—Euclid-Oliver Hotel Building Co., c/o S. H. White, archt.

Buildings (Continued)

1032 Schofield Bldg., had plans prepared 10 story, 83 x 222 ft., brick, steel and concrete, 2425 Euclid Ave. $2,000,000.

O., Cleveland—Office—Euclid-Vincent Co., c/o C. T. Prestien of J. Laronge Co., Union Trust Bldg., plans remodeling brick, steel and concrete, Euclid Ave. $175,000. F. W. Bail, Hanna Bldg., archt.

O., Cleveland—Office and Warehouse—Industrial Development Co., c/o C. E. Tousley, archt., 4500 Euclid Ave., had plans prepared 1 story, 80 x 360 ft., brick and rein.-con., Lorain Ave. $200,000.

O., Cleveland—Office, Store and Studio—Company, c/o J. Laronge, Union Trust Bldg., having plans prepared by F. W. Bail, Hanna Bldg., 12 story, 105 x 200 ft., brick, steel and concrete, near East 30th St. and Euclid Ave. $2,000,000.

O., Cleveland—School and Parish House—St. Pauls Evangelical Lutheran Church, 1486 East 55th St., having plans prepared by Corbusier & Lenske, B. F. Keith Bldg., 2 story and basement, 60 x 104 ft., brick, East 55th St. $150,000.

O., Cleveland—Theatre and Garage—L. Abrams, Engineers Bldg., having plans prepared by J. F. Steffens, Fidelity Mortgage Bldg., 1 story, 116 x 240 ft., brick and steel, East 79th St. and Lexington Ave. $150,000.

O., Columbus — Apartment — Broadwyn Apartment Co., 186 East Broad St., having plans prepared by O. Darst, 186 East Broad St., 8 story and basement, 68 x 120 ft., and 1 story, 35 x 40 ft., brick and terra cotta, East Broad St. $400,000.

O., East Liverpool—Bank—Potters Natl. Bank, 5th and Washington Sts., having plans prepared by Weary & Alford, 1923 Calumet Ave., Chicago, Ill., new bank. $200,000.

O., Lakewood—Commercial and Apartment—W. I. Corts, 17619 Detroit Ave., Cleveland, having plans prepared by Kauffman Architectural Co., 5511 Euclid Ave., Cleveland, 3 story and basement, 105 x 119 ft., brick, Detroit Ave., here. $175,000.

O., North Dayton (Dayton P. O.)—School Bd. Educ., Dayton, voted $450,000 bonds, 3 story, rein.-con. and brick, here. Engineer and architect not selected.

Mich., Detroit—Apartment—Hugh Taylor Millar, archt., 242 West Lafayette Ave., preparing plans 5 story and basement, brick, steel and stone, plain foundation, Covington Dr. $250,000. Owner's name withheld.

Mich., Detroit—Garage—Detroit Garages Inc., Hudson Motor Co., 12601 East Jefferson St., having preliminary plans prepared by Brown & Derrick, 120 Madison Ave., 6 or 8 story, rein.-con. and brick, plain foundation, Woodward Ave. $350,000.

Ill., Chicago—Apartment—Owner, c/o J. B. Aroner, archt., 304 South Wabash St., plans 3 story, 80 x 175 ft., fireproof, Franklin and Drake Sts. $225,000.

Ill., Chicago—Apartment—Owner, c/o J. B. Aroner, archt., 304 South Wabash St., plans 3 story, 110 x 115 ft., fireproof, Franklin and St. Louis Sts. $300,000.

Ill., Chicago—Apartment—Owner, c/o J. B. Aroner, archt., 304 South Wabash St., plans 3 story, 65 x 175 ft., fireproof, Franklin and Trumbull Sts. $175,000.

Ill., Chicago—Apartment—J. Cameron, c/o R. F. France, archt., 155 North Clark St., plans 3 story, 150 x 178 ft., fireproof, Crandon St. near 69th St. $200,000.

Ill., Chicago—Apartment—Owner, c/o D. S. Klafter, archt., 64 West Randolph St., plans 10 story, 197 x 375 ft., fireproof, Clarendon and Lakeside Sts. $1,500,000.

Ill., Chicago — Club House — Harvard, Yale and Princeton Club, c/o C. A. Eckstrom, archt., 5 North La Salle St., plans 8 story, 25 x 100 ft., fireproof, 316 Federal St. $150,000.

Ill., Chicago—Hotel—S. Gold & Bros., c/o Levy & Klein, archts., 111 West Washington St., plans 9 story, 100 x 127 ft., fireproof, 610-16 West Roosevelt St. $1,000,000.

Ill., Chicago — Store and Office — D. Schetnitz, c/o A. S. Alschuler, archt., 28 East Jackson St., plans 3 story, 125 x 142 ft., fireproof, Roosevelt and St. Louis Sts. $225,000.

Ill., East St. Louis—Hospital—St. Marys Hospital, 7th and Missouri Ave., having preliminary plans prepared 4 story and basement, rein.-con., brick and stone, Missouri Ave. $300,000. Engineer and architect not announced.

Ill., Evanston—Apartment—W. G. Spoeri, 6708 Sheridan Rd., Chicago, having plans prepared by H. Holmes, 720 South Michigan St., Chicago, 3 story and basement, 150 x 157 ft., fireproof, Sheriden and Main Sts., here. $150,000.

Ill., Harvey—Hotel—J. Bowers, c/o D. Meredith, archt., 4750 Sheriden Rd., Chicago, having preliminary plans prepared 3 story and basement, rein.-con., brick and stone, here. $250,000.

Ill., Hegewisch (Chicago, P. O.)—Bank—Interstate Natl. Bank plans 2 story, 50 x 125 ft., fireproof. $150,000. C. Hatzfeld, 7 South Dearborn St., Chicago, archt.

Ill., Oak Park—Apartment—H. Rabinow, c/o R. F. France, archt., 155 North Clark St., Chicago, plans 3 story, fireproof, Harvey and Washington Sts., here. $250,000.

Wis., Jefferson—School—Bd. Educ., R. E. Henry, secy., plans to rebuild 4 story, brick, rein.-con. and steel, plain foundation, recently destroyed by fire. $200,000. Engineer and architect not selected.

Wis., Madison—Church—First Methodist Episcopal Congregation having plans prepared by Claude & Starck, Badger Annex, 3 story, 60 x 120 ft. addition, brick and rein.-con. plain foundation, Dayton Ave. $150,000. Noted Mar. 20.

Wis., Milwaukee—Apartment—Franklin Investment Co., c/o R. Douglas, 85 Mason St., plans 2 or 3 story, brick and concrete, plain foundation, East Side. $150,000-$200,000. Engineer and architect not selected.

Wis., Milwaukee—Store and Loft—A. J. Straus Co., 97 Wisconsin St., having preliminary plans prepared by Herbst & Kuenzli, 114 Grand Ave., 6 to 8 story, 50 x 150 ft., brick and concrete, plain foundation, 3rd St. $150,000-$200,000.

Ia., Bedford—School—Bd. Educ. having plans prepared by Keffer & Jones, 204 Masonic Temple, Des Moines, 2 story and basement, rein.-con., brick, tile and stone. $160,000. G. S. Perlinger, secy.

Ia., Cedar Rapids—High School—Voted $200,000 bonds for school.

Kan., Chanute — Memorial — City soon takes bids 3 story, rein.-con. and steel, plain foundation. $200,000. Lorentz, Schmidt & Co., 516 4th Natl. Bank Bldg., Wichita, archts. Noted Jan. 31.

Kan., Wichita—Theatre and Hotel—St. Louis Financiers, c/o S. Isreal, Eberson & Weaver, archts., 514 Orpheum Bldg., having preliminary plans prepared 7 story and basement, 100 x 140 ft., rein.-con., brick and stone. $800,000.

Mo., Clayton—School—Election Apr. 1, $165,000 bonds for De Mun grade school, $33,500 bonds Moorlands grade school, and $30,000 bonds high school athletic field.

Mo., St. Louis — Garage — Broad-Wal Garage Co., Planters Bldg., having plans prepared 3 story and basement, 127 x 173 ft., rein.-con. and brick. $150,000. Private plans.

Ark., Little Rock—Apartment—Rackensack Apartment Corp., c/o Wittenberg, Deloney & Watts, archts., Southern Trust Bldg., soon takes bids 7 story and basement, 125 x 150 ft., rein.-con., brick, stone and terra cotta, 4th and Hill Sts. $400,000.

Ark., Little Rock—Garage, etc.—Five Fifty-five Tire Service Co., 223 Bway., soon takes bids 3 story and basement, 140 x 150 ft., garage and auto service building, rein.-con., brick and stone, Bway. at 2nd St. $160,000. Wittenberg, Deloney & Watts, Southern Trust Bldg., archts.

Tex., Austin—Warehouse—Walter Tipps Hardware Co., Congress Ave., having plans prepared by R. O. Jameson, engr., Southwestern Life Bldg., Dallas, and C. H. Page & Bros., archts., Austin Natl. Bank, 2 story and basement, 117 x 200 ft., concrete and brick, 2nd and Colorado Sts. $155,000.

Tex., College Station—Gymnasium and Hotel—A. & M. College plans 2 story, rein.-con., hollow tile and stucco, plain foundation, on Campus. $165,000. Engineer and architect not announced.

Tex., Dallas—Hotel—T. B. Baker, Oriental Hotel, having plans prepared by H. S. Green, Alamo Natl.-Bank Bldg., 10 story, rein.-con., steel, brick and stone, plain foundation. $3,000,000.

Tex., Luling — School — Luling Ind. School Dist. voted $160,000 bonds, high school. Engineer and architect not announced.

Tex., San Antonio—Bank—Commercial Natl. Bank, 117 East Houston St., and Commercial Loan & Trust Co., 303 North St. Marys St., having plans prepared by Phillips & De Wees, Gunter Bldg., 1 story (equal to 4 story) 62 x 168 ft., rein.-con., steel and stone, plain foundation, Travis and St. Marys Sts. $150,000. Noted Mar. 6.

Okla., Muskogee—Y. M. C. A. plans 4 story, 100 x 140 ft., Cherokee Ave. $150,000. Architect not selected.

Okla., Oklahoma City—University—University of Oklahoma, 400 East 3rd St., having plans prepared by Layton, Smith & Forsythe, Southwest Natl. Bank Bldg., and soon takes bids brick and stone building, concrete foundation, for medical arts and engineering departments. $200,000.

Okla., Shawnee—Hotel—J. C. Calhoon, Muskogee, preparing plans 6 story, 100 x 140 ft., brick. $300,000. Architect not selected.

Okla., Tulsa — Office — L. E. Roberts, Roberts Bldg., plans 10 story, 75 x 140 ft., brick, 5th and Boston Sts. $800,000. Engineer and architect not selected.

Okla., Tulsa—Store—Kress Stores Co., 114 5th Ave., New York City, having plans prepared by W. H. Harris, Tulsa, 4 story, 2 basements, 100 x 140 ft., rein.-con. and brick, 4th St., here. $200,000.

Colo., Canon City—High School—School Dist. sold $220,000 bonds for high school. Engineer and architect not selected.

California—Hotel—Yosemite Natl. Park Co, 689 Market St., San Francisco, had plans prepared by E. J. Symmes, 1st Natl. Bank Bldg., San Francisco, hotel, cottage style, to accomodate 1,000 guests, near Merced River, in Yosemite Valley. To exceed $150,000.

Calif., Alhambra — Club — Alhambra Athletic Club, c/o S. A. Forman, 1407 North Garfield St., plans fireproof club, on 100 x 200 ft. site. $150,000.

Calif., Bakersfield — Church — First Christian Church having plans prepared by R. H. Orr, Corporation Bldg., Los Angeles, brick church. $150,000.

Calif., Berkeley—Store and Office—Chamber of Commerce, E. F. Louideck, 2104 Shattuck St., pres., plans 5 or 6 story, brick or rein.-con. $150,000.

Calif., Glendale—Church—First Baptist Church having preliminary plans prepared by R. L. Kent Co., 130 South Brand Blvd., church, probably steel and concrete, Wilson and Louise Sts. $150,000.

Calif, Inglewood — School — Inglewood Union High School Dist. having plans prepared by G. A. Howard, 820 Story Bldg., Los Angeles, academic and gymnasium buildings, brick. $150,000. Noted Mar. 20.

Calif., Long Beach—Apartment—Beekley Bros., 844 Main St., had plans prepared 4 story and basement, 50 x 140 ft., brick, Union Ave. Work will probably be done by day labor. $150,000.

Calif., Long Beach — Schools — Long Beach City School Dist. having preliminary plans prepared by Wright & Gentry, Marine Bank Bldg., 10th-Orizaba Grammar School, to exceed $150,000; by Kistner Co. et al., Pantages Theatre Bldg., Los Angeles, elementary school, Loma Ave. and Anaheim Rd., $150,000; by Wynkoop & Law, Farmers & Merchants Bank Bldg., Long Beach, and Allison & Allison, associated archts., Hibernian Bldg., Los Angeles, Jefferson School, to exceed $150,000.

Calif., Los Angeles—Apartment—K. Albright, archt., 6426 Hollywood Blvd., making preliminary plans 4 story, fireproof, probably brick and steel, Sunset Blvd. To exceed $175,000. Owner's name withheld.

Calif., Los Angeles — Church — Ninth Church of Christ Scientist, c/o Meyer & Holer, archts., Wright-Callendar Bldg., had plans prepared 2 story and basement, 115 x 250 ft., brick, Normandie Ave. $400,000. Noted Sept. 27.

Calif., Los Angeles — Garage — Westlake Garage Co., c/o Noernberg & Johnson, archts., Railway Bldg., having plans prepared 6 story, 55 x 150 ft., rein.-con., Westlake Ave. $175,000.

Calif., Los Angeles—Hotel—K. Albright, archt., 6526 Hollywood Blvd., Hollywood, preparing preliminary plans 4 story, brick or concrete, here. $160,000. Owner's name withheld.

Calif., Los Angeles—Hotel—S. Lewis, c/o S. H. Brown, archt., Union League Bldg., having plans prepared 3 and 5 story with basement, 50 x 150 ft., brick and steel, 3rd St. $150,000.

Calif., Los Angeles — Hotel — Stern & Danziger, c/o Walker & Eisen, archts., Pacific Finance Bldg., having plans prepared, 10 to 12 story and basement, 100 x 150 ft., rein.-con., Vine St.

Calif., Los Angeles—Loft—Lloyd & Casler, c/o W. D. Lee, archt., Sun Bldg., having plans prepared 6 story and basement, 80 x 150 ft., rein.-con., Pico and Wall Sts. $150,000. Noted Oct. 18.

Calif., Los Angeles—Office—California Pacific Holding Co., c/o L. W. Rucker, Hollywood Securities Bldg., having preliminary plans prepared by J. and D. Parkinson, Title Insurance Bldg., 10 to 12 story, 150 x 175 ft., fireproof. $1,000,000.

Buildings (Continued)

Calif., Los Angeles—Office and Store—S. Marshuitz, et al., 518 West 6th St., having preliminary plans prepared by Milwaukee Bldg. Co., Wright-Callendar Bldg., 4 story and basement, brick, Bixel St. $150,000.

Calif., Los Angeles—Theatre and Store—Friedman-Hill Co., 1812 West 7th St., having preliminary drawings made by Gable & Wyant, 634 South Western Ave., 1 or 2 story and basement, brick, West Adams St. $150,000. Noted Feb. 28.

Calif., Los Angeles—Warehouse—Pub. Serv. Comn., 207 South Bway., making preliminary drawings 2 story, 100 x 500 ft., rein.-con. and brick, Ducommon St. near Alameda St. $150,000. Private plans.

Calif., San Francisco—Apartment—W. H. Ratcliff, archt., Mercantile Trust Bldg., Berkeley, preparing preliminary plans 3 story and basement, frame and brick veneer, near Powell and California Sts. From $150,000 to $200,000. Owner's name withheld.

Calif., San Francisco—Store and Loft—Crocker Estate Co., Crocker Bldg., having plans prepared by L. P. Hobart, Crocker Bldg., 7 story addition to 3 story Class A fireproof building, Stockton and O'Farrell Sts. $200,000.

Calif., San Francisco—Store—O'Connor-Moffatt Co., Post and Kearny Sts., plans to remodel 6 story building for department store, also 3 story fireproof addition, Stockton and O'Farrell Sts. To exceed $150,000. Engineer and architect not selected.

Que., Montreal — Temple — Masonic Memorial Temple Corp., Dorchester St. W., having plans prepared by J. S. Archibald, 326 Beaver Hall Hill, new Masonic Temple. $500,000.

BIDS DESIRED

Mass., Boston—Hotel—Apr. 24 (extended date), by G. B. Post & Sons, archts. and engrs., 101 Park Ave., New York City, 12 story, brick, stone and steel, Arlington St., here, for Statler Hotel Co., 7th Ave. and 33rd St., New York City. $4,000,000. Noted Feb. 7.

N. Y., Canton—Office—Building Com. St. Lawrence Co., A. J. Hammer, chn., Massena, taking bids building and equipping new county clerks office, here. S. D. P. Williams, Ogdensburg, archt.; adv. E. N.-R. Apr. 3. Noted Mar. 27.

N. Y., Flushing—School—Apr. 22, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 32, 35th Ave. from 171st to 172nd Sts., here, for Bd. Educ., 500 Park Ave., New York City.

N. Y., Haverstraw—Club—Apr. 14, by Tooker & Marsh, archts. and engrs., 101 Park Ave., New York City, 2 story, brick, steel and stone, plain foundation, here, for B.P.O.E. $150,000. Noted Feb. 14.

N. Y. Jamaica—School—Apr. 22, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 95, 90th Ave. from 179th St. to 179th Pl., here, for Bd. Educ., 500 Park Ave., New York City.

N. Y., New York—Office—J. Tishman & Sons, Inc., 280 Madison Ave., will build 22 story, 75 x 154 ft., brick, steel and stone, 225-241 West 34th St. $5,000,000. Owner supervises construction and awards separate contracts. Private plans.

N. J., Atlantic City—Hotel—Apr. 15, by W. Smedley, archt., St. Girard Bldg., Phila., 9 story and basement, 57 x 185 ft., and 6 story and basement, 53 x 143 ft., brick and steel, wood pile foundation, here, for Hotel Dennis, Michigan Ave .and Beach. Former bids rejected. Noted Mar. 6.

Pa., Ardmore—Bank—Apr. 12, by Ardmore Natl. Bank, 1 story and basement, 40 x 93 ft. and 24 x 53 x 60 ft., brick and steel, plain foundation. $150,000. J. T. Brugger, 505 Chestnut St., Phila., archts.

Pa., Johnstown—Store—M. J. Bowman, treas. and mgr. Gately & Fitzgerald Furniture Co., 110-112 Clinton St., taking bids 8 story and basement, 30 x 125 ft. rein.-con., brick and steel, Clinton St. $200,000. H. M. Rogers, Trust Bldg., archt.

Pa., Phila.—Apartment—Apr. 5, by T. B. Lippincott, archt., 11 South 16th St., 7 story and basement, 48 x 128 ft., rein.-con., brick and steel, plain foundation, Lincoln Dr. and Emlen St., for Wynnefield Taylor, Pelham Court, Germantown (Phila. P. O.), $450,000. Noted Dec. 27. c/o archts. $200,000.

Pa., Reading—Apr. 24, by O. B. Heinz, secy. Bd. Educ., 8th and Washington Sts., 2 story and basement, 100 x 150 ft., brick and steel, plain foundation, Riverside Ave. $200,000. Noted Mar. 27.

O., Cleveland — Apartment — J. L. Cameron, archt., 2014 East 10th St., taking bids and opens same about Apr. 10, 4 story and basement, 32 x 135 ft., brick, 2052 East 90th St., for Ohio Building Finance Co., Discount Bldg. $150,000. Noted Jan. 31.

O., Elyria — Station — Apr. 8, by New York Central R.R., c/o G. C. Cleveland, ch. engr., West 3rd St. and St. Clair Ave., Cleveland. 2 story, brick, steel and concrete, here. $250,000. Fellheimer & Wagner, 7 East 42nd St., Cleveland, archts. Noted Nov. 15.

Mich., Detroit—School—Apr. 7, by Bd. Educ., 2 story and basement 78 x 132 ft. rein.-con., brick and steel, plain foundation, West End Ave. $150,000. Malsomson & Higginbotham, Industrial Bank Bldg., archts.

Mich., Detroit—School—Apr. 10, by V. J. Waier & Co., archts., 403 Hoffman Bldg., 3 story and basement, 151 x 210 ft., brick, steel and stone, plain foundation, Lenox Ave., for St. Martins Church, Lenox and Avondale Aves. $200,000.

Ill., Aurora—Bank and Office—Apr. 15, by G. G. Elmslee, archt., 122 South Michigan St., Chicago, 3 story and basement, 50 x 200 ft., rein.-con., brick and stone, here, for Old Second National Bank, Aurora. $150,000. Noted Oct. 18.

Ill., Chicago—Apartment—J. B. Aroner, archt., 304 South Wabash St., taking bids 3 story, 125 x 175 ft., fireproof, Franklin and Central Park. Owners name withheld. $375,000.

Ill., Chicago—Apartment—C. F. Henry, 7455 Greenview St., taking bids 3 story and basement, 99 x 192 ft., fireproof, Winchester and Wilson Sts. $500,000. Oldfest & Williams, 605 North Michigan St., archt. Noted Feb. 8.

Ill., Chicago — Apartment — J. Johnson, 7453 North Clark St., taking bids 3 story and basement, 125 x 140 ft., fireproof, Robey St. near Birchwood St. $185,000. A. H. Quitsow, 11 South La Salle St., archt.

Ill., Chicago—Apartment Hotel—D. S. Klafter, archt., 64 West Randolph St., taking bids 4 story, fireproof, 931 Leland St., for J. Glasser, c/o architect. $175,000. Noted Feb. 28.

Ill., Chicago—Apartment—D. S. Klafter, archt. 64 West Randolph St., taking bids 3 story, 75 x 125 ft., rein.-con., brick and steel, Lawrence and North Troy Sts., for A. S. Shapiro, c/o architect. $200,000.

Ill., Chicago—Apartment—G. W. Turnquist, 217 East 69th Pl., taking bids 3 story and basement, 150 x 208 ft., fireproof, 67th and Constance Sts. $350,000. Z. E. Smith, 305 East 55th St., archt.

Ill., Evanston—Apartment—C. D. Johnson and A. Lindstrom, 77 West Washington St., Chicago, taking bids 3 story, 150 x 200 ft., rein.-con., brick and steel, Ridge and Noyes Sts., here. $375,000. C. W. Westerlied, 179 West Washington St., Chicago, archt.

Ill., River Forest (Oak Park P. O.)—Church—Holmes & Flinn, archts., 8 South Dearborn St., Chicago, taking bids 1 story, 61 x 112 ft., fireproof, here, for First Presbyterian Church. $200,000

Ill., Rockford — Bank — Apr. 10, by Graham, Anderson, Probst & White, archts., 80 East Jackson St., Chicago, 4 and 7 story, 88 x 112 ft., brick, steel and concrete addition, Main and Wyman Sts., here, for Rockford Natl. Bank.

Wis., Madison—Hospital—Apr. 14, by Bd. Health, City Hall, 2 story and basement, 45 x 150 ft., brick, rein.-con. and steel. $150,000. Claude & Starck, Badger Annex, archts.

Mo., Koch—Infirmary—May 2, by Bd. Pub. Serv., 208 City Hall, St. Louis, 3 story and basement, 62 x 165 ft., rein.-con., stone, steel and brick, at Robert Koch Hospital, here. $243,000. L. R. Bowen, 301 City Hall, St. Louis, archt. and engr. Noted Jan. 31.

Okla., Guthrie—High School—Apr. 14, by A. Lowther, clk. Bd. Educ., 3 story, 80 x 200 ft., brick, Harrison St. $180,000. Hawk & Parr, Cotton Exch. Bldg., Oklahoma City, engrs. Noted Mar. 20.

Calif., Marysville — Hotel — E. Glass, archt., Underwood Bldg., San Francisco, taking bids (revised plans), 5 story and basement, rein.-con., to contain 150 rooms, 5th and E Sts., here, for Marysville Hotel Co., c/o architect. Noted Oct. 11.

Calif., Monterey Park (Branch Los Angeles)—Theatre and Store—L. L. Jones, archt., Grosse Bldg., Los Angeles, taking bids 1 story, 115 x 215 ft., brick, here. Owner's name withheld.

Calif., San Diego—Store and Loft—Ashley & Evers, archts., Mortgage Guarantee Bldg., Los Angeles, taking bids 4 story and basement, rein.-con., 7th and C Sts., here, for Dohrman Commercial Co., Geary and Stockton Sts., San Francisco.

Calif., Santa Monica—Schools—Bd. Educ. Santa Monica High School Dist. taking bids auditorium, manual arts, domestic science and cafeteria buildings, brick and frame. To exceed $150,000. Allison & Allison, Hibernian Bldg., Los Angeles, archts. Noted Mar. 20.

BIDS RECEIVED

Mass., Chicopee—School—School Bd., c/o J. M. Grise, mayor, constructing Patrick E. Bowe School, Hampden St., from M. J. Walsh & Sons, 1412 Dwight St., Holyoke, $154,940. Noted May 3.

Pa., Easton—High School—School Bd., 30 North 2nd St., brick, steel and stone, 12th and Spring Garden Sts., general contract from T. M. Gibbs Constr. Co., Heyman Bldg., Phila., $587,850, heating and ventilating also plumbing from E. P. Saeger Co., Allentown, $73,888 and $36,888 respectively. Noted Feb. 28.

Pa., Stony Creek Mills—High School—Lower Alsace Twp. School Bd., 3 story and basement, 183 x 216 ft. brick and steel, plain foundation, from M. Melody & Son, 1322 Race St., $718,500. Noted Mar. 6.

Wis., Kenosha—High School—Evangelical Fridens Lutheran Congregation, C. Buenger, pastor, 65 Ridge St., 2 story and basement, 90 x 160 ft., brick and tile, plain foundation, from G. Ouandt, 28 North Lyman Ave. $150,000. Noted Mar. 13.

Ia., Des Moines—Warehouse—Brown-Camp Hardware Co., 330 Southwest 5th St., general contract 5 story and basement, 102 x 282 ft., rein.-con., brick and tile, 1st and Elm Sts., from J. and W. A. Elliott Co., 906 Lumber Exch., Minneapolis, $277,000.

Minn., St. Paul — School — Dept. Educ., Mar. 25, 3 story and basement, rein.-con., brick and tile, Albert St. and Pascal Ave., general contract, from W. Murphy & Son, 346 Endicott Bldg., $320,958. Noted Feb. 28.

Calif., Colma — School — Jefferson Union High School Dist., 1 and 2 story, rein.-con., general contract from Sample & Cody, Call Bldg., San Francisco, $122,500. Noted Mar. 6.

CONTRACTS AWARDED

Mass., Cambridge (Boston, P. O.)—School—Church of Blessed Sacrament, Pearl and Lake Sts., school, Lake St., to J. R. Byrne, 71 Magazine St. Archts. est. $150,000.

Conn., Fairfield — School — Town, brick and steel, plain foundation, to S. W. Hubbell Building Co., 589 Knowlton St., Bridgeport, $150,908. Archts. est. $250,000.

Conn., Mansfield—Hospital, etc.—Mansfield State Training School, to Tracy Bros. Co., 52 Benedict St., Waterbury, 60 x 350 ft. hospital, 40 x 80 ft. dormitory and 40 x 175 ft. nurses home, all 2 story and basement. Noted Aug. 2.

N. Y., Brooklyn—Schools—Bd. Educ., 500 Park Ave., New York, P. S. 28, Fulton St., here, to J. Fallon, 225 5th Ave., New York, $545,000; P. S. 97, Stillwell Ave., here to G. F. Driscoll, 115 Schermerhorn St., $359,800, both brick, steel and stone, plain foundations. Noted Mar. 6 and 13.

N. Y., New York — Apartment — Broff Constr. Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build brick, steel and stone, plain foundation, Sheridan Ave., by day labor. $250,000.

N. Y., New York—Apartment—Gillman & Schlesinger, c/o Moore & Landseidel, archts. and engrs., 48th St. and 3rd Ave., will build brick, steel and stone, plain foundation, Nagle Ave., by day labor. $250,000.

N. Y., New York—Apartment—R. Goldstein, c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., will build 6 story, brick, steel and stone, plain foundation, Macombs Rd., by day labor. $220,000.

N. Y., New York—Apartment—Sonnpiro Realty Co., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., will build 6 story, brick, steel and stone, plain foundation, Grand Concourse and 180th St., by day labor. $275,000.

N. Y., New York—Apartment—P. Weisman, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, plain foundation, Anthony Ave., by day labor. $200,000.

N. Y., New York — Theatre — Chanin Constr. Co., 104 West 29th St., will build 100 x 112 ft., brick, steel and stone, plain foundation, West 46th St. $1,150,000. Owner is builder will supervise general construction and award separate contracts. Herbet J. Krapp, 116 East 16th St., archt. and engr. Noted Feb. 7.

N. Y., Rochester—Store—Natl. Clothing Co., 5 story, tapestry brick, concrete and steel, Main St., to A. W. Hopeman & Sons Co., $200,000.

Buildings (Continued)

N. Y., Troy—Public—Bd. Contr. & Supply. City Hall, masonry contract for 3 story and basement, brick and steel, plain foundation, State St., to C. Crowley Co., Troy, $220,300; steel and iron, to West Side Structural Co., Watervliet, $77,700. Noted Mar. 6.

N. Y., Webster — School — Bd. Educ. Webster Union Free School, general contract tapestry brick, fireproof, to A. Link Sons, Cox Bldg., Rochester, heating and ventilating, to Arensmeyer, Warnock & Zarhndt, Inc., 114 Monroe Ave., Rochester, plumbing, to M. W. Utz, 1059 Main St. E., Rochester, disposal plant, to H. L. Hotchkiss, Jr., Rochester, total cost $350,000. Noted Dec. 27.

N. J., North Plainfield (Watchung P. O.) —High School—Bd. Educ., general contract 2 story and basement, 136 x 178 ft., brick, steel and limestone, Greenbrook Rd., to T. M. Gibbs Constr. Co., Heyman Bldg., Phila., $244,900; plumbing, also heating and ventilating, to G. J. Tobin Co., 187 North Ave., Plainfield, $15,555 and $36,000 respectively. Noted Mar. 20.

Pa., Lebanon—Church and Parish House —Holy Trinity Lutheran Church, 1 story and basement, 72 x 145 ft. and 2 story and basement, 42 x 59 ft. stone and steel, plain foundation, to Rapp Constr. Co., Lebanon.

Pa., Phila.—Apartment—L. J. Benamy, c/o M. A. Bernhardt, archt., 721 Walnut St., 3 story and basement, 50 x 100 ft., brick and steel, plain foundation, 4044-4046 Walnut St., to M. J. Benamy, 5758 North 5th St., $150,000.

Pa., Phila.—Exchange—J. T. Windrim, archt., Commonwealth Bldg., 3 story and basement, 90 x 107 ft., brick, steel and stone, plain foundation, Oak Lane, Broad and 65th Aves., to Irwin & Leighton, 126 North 12th St., for Bell Telephone Co., 17th St. and Parkway. Archts. est. $275,000. Noted Mar. 13.

Pa., Phila.—Office—Independence Realty Co., c/o Ritter & Shay, archts., North Amer. Bldg., 8 story and basement, 85 x 125 ft., brick and steel, 5th and Walnut Sts., to J. M. Stewart Co., 30 Church St., New York City. Archts. est. $1,000,000. Noted Mar. 27.

D. C., Wash. — Hotel and Store — I. Freund, 1315 7th St., N. W., hotel and store, Vermont Ave. and L St., N. W., to Boyle-Robertson Constr. Co., Evans Bldg., $400,000.

W. Va., Wellsburg — Bank — Wellsburg Natl. Bank, 2 story, 38 x 140 ft., Indiana limestone, to R. R. Kitchin & Co., Natl. Bank of West Virginia Bldg., Wheeling. Archts. est. $150,000. Noted Nov. 29.

N. C., Fayetteville—Bank—Natl. Bank of Fayetteville, general contract 6 story, steel, concrete and brick, to James Fannings Inc., Greensboro, $148,000.

La., Lecompte—High School—Favrot & Livaudais, archts., Hibernia Bank Bldg., New Orleans, 3 story, concrete, brick and stone, to W. K. Quick, New Orleans, $141,000, for Rapides Co. Bd. Educ. (Alexandria). Noted Feb. 7.

Ky., Louisville — Office — Commonwealth Life Insurance Co., 106 South 5th St., 6 story, 60 x 120 ft., to J. M. Russell, M. E. Taylor Bldg. Archts. est. $150,000. Noted Mar. 27.

O., Cleveland — Apartment — M. Lewin, 11322 Temblett Ave., 3 story and basement, 42 x 150 ft., brick, 2110 Cornell Rd., to D. Kaufman, 11322 Temblett Ave. Archts. est. $150,000. Noted Jan. 31.

O., Cleveland — Hospital — Babies & Childrens Hospital, c/o A. D. Baldwin. Natl. City Bldg., masonry and rough carpentry for superstructures, 71 x 157 ft. and 142 x 184 ft., each 7 story, brick, steel and concrete, 11020 Euclid Ave., to A. Dall Constr. Co., 3079 Euclid Blvd. Archts. est $3,225000. Noted Mar. 8, 1923.

O., Massillon—Y. M. C. A. general contract 4 story and basement, rein.-con., brick and steel, concrete pile foundation. East Tremont St., to James Meinhart Contg. Co., Massillon, $300,000. Noted Mar. 6.

O., Portsmouth—Temple—Masonic Temple Assn., 3 story and basement, 84 x 180 ft., brick, stone, concrete and terra cotta, Gallia St., to H. R. Blagg, 1229 East 3rd St., Dayton. Archts. est. $500,000. Noted Feb. 28.

O., Steubenville — Bank — Union Savings Bank & Trust Co., 10 story addition, to R.R. Kitchen Co., Nat. Bank of West Virginia Bldg., Wheeling, W. Va., $350,000.

Ind., Hammond — Hospital — Franciscan Sisters of the Door, 4 story, 46 x 288 ft., to Larson, Danielson & Co., LaPorte, $288,000. Archts. est. $300,000.

Ind., Indianapolis — Club — Columbia Club, 10 story and basement, rein.-con., brick and steel, concrete pile foundation, Monument Circle, to W. P. Jungclaus, 825 Massachusetts Ave., cost plus basis. Archts. est. $1,000,000. Noted Mar. 20.

Ind., Notre Dame—College—St. Mary College, 4 story and basement, 300 x 400 ft., rein.-con., brick and stone, to H. G. Christman, 605 North Cushing St., South Bend. Archts. est. $900,000.

Ill., Chicago — Apartment — Granada Building Corp., 527 Arlington Pl., 5 story, fireproof, 523-33 Arlington Pl., to Great Lakes Constr. Co., 306 South Wabash St. Archts. est. $550,000.

Ill., Chicago—Apartment—Midland Constr. Co., 816-24 North Spaulding St., will build 3 story, 78 x 124 ft., fireproof, 301-07 North Spaulding St., by day labor. J. Cahan, 10 North Clark St., archt.

Ill., Chicago—Apartment—M. N. Mortensen, c/o Ronneberg & Pierce, archt., 19 South La Salle St., 3 story and basement, 120 x 130 ft., fireproof, Irving Park and Kildare St., to A. E. Johnson, 5356 Belle Plaine St. Archts. est. $200,000.

Ill., Chicago—Apartment—L. Poulsen, 6124 Kimbark St., 2 story and basement, 100 x 185 ft., fireproof, 1215-37 West 78th Pl., to M. Kuk, 5201 Princeton Ave. Archts. est. $150,000.

Ill., Chicago — Apartment — Sandberg & Osterlind, 1507 Archer Ave., 3 story, 90 x 120 ft., fireproof, 1417-23 Elmdale St., to E. Edlund, 1747 Highland Ave. Archts. est. $150,000.

Ill., Chicago—Apartment—L. R. Steward, 4450 Christiana St., 3 story, 64 x 145 ft., fireproof, 6150-54 Winthrop St., to Magnussen & Wold, 3029 North Keating St. Archts. est. $150,000.

Ill., Chicago — Bank — W. G. Uffendell, archt., 39 South State St., 2 story, 79 x 125 ft., fireproof, Fullerton and North Central Park, for Kimball Trust & Savings Bank, c/o archt., to C. B. Johnson & Son, 111 West Washington St. Archts. est. $175,000. Noted Feb. 14.

Ill., Chicago — School — Catholic Bishop of Chicago, 1340 East 72nd St., 3 story, 112 x 127 ft., brick, 1347-59 East 72nd St., to Mutual Constr. Co., 2532-34 Warren Ave. Archts. est. $200,000.

Ill., Chicago—Store and Apartment—B. Friedman, 4040 Gladys Ave., 3 story, 105 x 175 ft., fireproof, 6945-53 North Ashland St., to Goldberg & Fisher, 3059 North Troy St. Archts. est. $300,000.

Ill., Chicago—Store, Office and Apartment—Baker Building Corp., 5 South Wabash St., 3 story, 127 x 140 ft., fireproof, 7600-12 Greenview St., to G. H. Gottschalk & Co., 111 West Washington St. Archts. est. $150,000.

Ill., Evanston — Apartment — F. W. Freutel, c/o A. H. Quitsow, archt., 11 South La Salle St., Chicago, 3 story, 48 x 201 ft., fireproof, 1913-15 Sherman St., here, to J. Anderson & Son, 5606 Ridge Ave., Chicago. Archts. est. $150,000.

Ill., Evanston—Apartment—A. H. Quitsow, archt., 11 South La Salle St., Chicago, 3 story and basement, 100 x 168 ft., fireproof, Hinman St. near Kedzie St., here, for C. Pegler, c/o archt., to A. W. Anderson, 1435 Elmdale St., Chicago. Archts. est. $200,000. Noted Feb. 21.

Ill., Evanston—Hotel—A. E. Johnson, 15356 Belle Plaine St., Chicago, will build 6 story, 94 x 120 ft., fireproof, Maple and Main Sts., here, by day labor. Archts. est. $600,000. Ronneberg & Pierce, 10 South La Salle St., Chicago, archts.

Ill., Oak Park—Apartment—Gold Bros., 3604 West 26th St., Chicago, 3 story, rein.-con., brick and steel, 201-229 Washington St., here, to Gamm Constr. Co., 3501 Pierce Ave. Archts. est. $600,000.

Wis., Madison—School—Bd. Educ., general contract 2 story, 62 x 110 ft., brick, rein.-con. and steel addition, plain foundation, to C. B. Fritz & Co., 138 North Frances St. $175,000.

Wis., Mendota—Hospital—State Bd. Control, W. F. Lorenz, pres., 2 and 4 story, 75 x 150 ft., rein.-con., brick and steel, plain foundation, to F. R. Comb & Co., 206 Liberty Exch., Minneapolis, Minn., $128,000.

Minn., Duluth — Hospital — St. Lukes Hospital Assn., interior finish for 6 story and basement, 40 x 175 ft., 25 x 35 ft., 40 x 50 ft. and 26 x 42 ft., 1st St. at 9th Ave. E., to R. J. McLeod & Co., Builders Exch. Bldg., $420,000. Noted Apr. 4.

Minn., Gilbert—High School—Bd. Educ., 2 story and basement, 76 x 216 ft., fireproof, general contract to Pfeffer Constr. Co., 402 Builders' Exch. Bldg., Duluth, $169,509. Archts. est. $265,000. Noted Mar. 6

Minn., Minneapolis—Office and Store—Hamm Realty Co., Hamm Bldg., St. Paul, 2 story and basement, 100 x 112 ft., rein.-con., brick and tile, 6th St. and Hennepin Ave., here, to S. M. Klarquist Sons Co., 745 Security Bldg., $100,480. Archts. est. $150,000. Noted Mar. 29.

Minn., Minneapolis—School—Bd. Educ., superstructure 1 story, 150 x 300 ft., rein.-con., brick and tile, Mississippi River Blvd., general contract to M. A. Floyd Co., 908 Andrus Bldg., $114,354. Noted Mar. 20.

Minn., Minneapolis—School—W. H. Dunwoody Industrial Institute, 810 Superior Ave., general contract on superstructure 3 story, 40 x 60 x 160 ft., rein.-con., brick and tile, 818-22 Superior Ave., to Pike & Cook, 416 South 5th St. Total cost of superstructure $150,000.

Minn., Minneapolis—School—Bd. Educ., City Hall, 2 story and basement, rein.-con., brick and tile, Dartmouth and Ontario Sts., general contract to Bracker Constr. Co., 638 Builders Exch., $116,518. Noted Mar. 27.

Neb., Lincoln—Asylum—State Bd. Control, 3 story and basement, 34 x 112 ft. concrete, brick and stone, to G. Robertson, 807 First Natl. Bank Bldg. Noted Mar. 13.

Mo., Clayton—Academy and Convent—Sisters of St. Joseph, Minnesota and Kansas Aves., St. Louis, 2 and 3 story and basement, brick, stone and rein.-con., Wydown and Pennsylvania Aves., here, to Humes-Deal Constr. Co., Century Bldg., St. Louis. Archts. est. $700,000. Noted Mar. 6.

Mo., Joplin—Office—Hadley Tatum, 827 Wall St., 8 story, 75 x 110 ft., rein.-con. and brick, plain foundation, 4th and Main Sts., to C. A. Dieter, 410 North Pearl St. Archts. est. $650,000.

Mo., Kansas City—Market, etc.—H. B. Schoolfield, 216 Reliance Bldg., 62 x 240 ft. and 140 x 140 ft., brick and concrete market and refrigeration plant, to Fogel Constr Co., 619 Reliance Bldg. Archts. est. $500,000.

Mo., University (St. Louis P. O.)—Apartment—T. J. Potashnik and J. A. Pastel, Central Natl. Bank Bldg., 3 story and basement, rein.-con., brick and stone, Washington and Melville Sts., here, to V. A. Chinberg, 808 Chestnut St., St. Louis. Archts. est. $150,000.

Tex., Dallas—Church—Calvary Baptist Church, W. O. Barnett, pastor, 1505 West 12th St., will build brick and concrete church, 12th and Windomere Sts., by day labor. $150,000. Engineer and architect not announced.

Calif., Los Angeles—Apartment—H. O. Triplett, 1627 Martel Ave., 4 story and basement, brick, Yucca St., to A. S. O'Neil, 256 Wilcox Bldg., $152,000.

Calif., Los Angeles—Loft and Store—Grether & Grether, 752 South Los Angeles St., 6 story and basement, 95 x 150 ft., rein.-con., to J. M. Cooper, 321 Marsh-Strong Bldg.

Calif., Los Angeles — Office — Southern California Telephone Co., 740 South Olive St., 5 story and basement annex and 2 story addition to present office, steel, brick and rein.-con., Gower St., to Mathis Constr. Co., 753 San Pedro St., $155,000.

Calif., Los Angeles—Science—University of Southern California, Jefferson and University Aves., 3 story and basement, brick, University Ave., to J. V. McNeil Co., H. W. Hellman Bldg, $182,000. Noted Mar. 13.

Calif., Pasadena—Lodge—Scottish Rite Cathedral Assn., fireproof on 175 x 200 ft. site, North Madison Aves., general contract to W. C. Crowell, Security Bldg., $165,000. Noted Mar. 27.

Calif., San Francisco — Apartment — J. and D. De Martini, c/o E. E. Young, archt., 2002 California St., 6 story and basement, brick and steel, California St. near Jones St., to M. A. Little, 534 Geary St., San Francisco, $152,000.

Calif., San Francisco—Apartments—E. Nelson, 78 Allston Way, will build three 3 story and basement, frame and plaster, Pierce and Union Sts., by day labor. $150,000. Baumann & Jose, 251 Kearny St., archts.

Calif., San Francisco — Apartment — A. Penziner, 750 Taylor St., will build 7 story and basement, rein.-con., Turk St. near Leavenworth St., by day labor and subcontracts. $150,000.

Calif., San Francisco—Apartment and Store—W. Plummer, c/o E. E. Young, archt., 2002 California St., 6 story and basement, rein.-con., Jones and Turk Sts., to M. A. Little, Geary St., $150,000.

Calif., San Francisco—Bank and Office—Federal Reserve Bank, Battery and Sacramento Sts., 7 story and basement, Class A,

Buildings (Continued)

second unit, to P. J. Walker Co., Sharon Bldg. To exceed $150,000.

Calif., San Francisco—Club and Dormitory—San Francisco Ladies Protective & Relief Society, c/o J. Morgan, Merchants Exch. Bldg., 3 story and basement, brick, Laguna St. near Bay St., to D. B. Farquharson, 1760 Ellis St., $153,000.

Calif., San Francisco—Loft—W. H. Sullivan, Inc., Alexander Bldg., 5 story and basement, rein.-con., Mission St. near 6th St., to G. Wagner, Inc., 180 South Park St., $152,000.

Calif., San Francisco—Hospital—Chinese Six Companies, 843 Stockton St., 4 story and basement, rein.-con., Jackson and Trenton Sts., to Barrett & Hilp, 918 Harrison St., $148,600. Noted Mar. 13.

Calif., Stockton—Bank and Office—Commercial & Savings Bank, Commercial-Savings Bank Bldg., 10 story and basement, Class A, Sutter St., to Lewis & Green, Commercial Bank Bldg., Stockton, $255,000. Noted Feb. 21.

Federal Government Work

PROPOSED WORK

Ky., Shelbyville — Post Office — Superv. Archt., Treasury Dept., Wash., D. C., plans new post office here.

O., Cincinnati—Lock Houses—U. S. Engineer, Cincinnati, plans 6 brick lock houses for Dams 34, 36 and 38, Ohio River.

BIDS DESIRED

N. Y., Oswego — Post Office, etc. — Apr. 24, by Treas. Dept. office of Superv. Archt., Wash., D. C., restoration stonework, new roof, gutters, down spouts, waterproofing, etc., for Post Office and Custom House; adv. E. N.-R. Apr. 3.

N. C., Thomasville—Post Office—Apr. 30, by Treas. Dept. at office Supervising Architect, Wash., D. C., 1 story, 62 x 64 ft. post office here; adv. E. N.-R. Apr. 3.

Fla., Jacksonville—Barge—Apr. 30, by U. S. Engineer, one steel barge 6 x 26 x 80 ft., for dredge Barnard; adv. E. N.-R. Apr. 3.

Ky., Louisville—Steel Boat Hulls and Derricks—Apr. 28, at U. S. Engineer Office, P. O. Box 72, 5 steel maneuver boat hulls and derricks; adv. E. N.-R. Apr. 3.

Ind., Leavenworth—Turbine—Apr. 5, by U. S. Engineer, P. O. Box 72, Louisville, furnishing one 33 in. vertical water turbine, with gearings, etc. Noted Mar. 20.

Ill., Chicago — Quarters — Apr. 22, by Treas. Dept., Supervising Architects Office, Wash., D. C., constructing quarters for pharmacists, nurses and attendants, medical officers, at Marine Hospital here.

Mo., Glasgow—Current Retards—Apr. 8, by U. S. Engineer Office, Kansas City, furnishing and placing 750 ft. current retards at Cambridge Bend in Missouri River near here.

Mo., Marthasville — Current Retards — Apr. 24, by U. S. Engineer Office, Kansas City, 1,363 lin.ft. current retards in Missouri River here.

Calif., San Diego—Buildings, etc.—Spec. 4933—Bureau Yards & Docks, Navy Dept., Wash., D. C., taking bids building, roads and service connections at Marine Base Corps, here.

BIDS RECEIVED

Ala., Florence—Generators—U. S. Dist. Engineer, Florence, 4 electric generators, 32,500 kva., from Allis-Chalmers Mfg. Co., West Allis, Milwaukee, Wis., $712,500. Noted Feb. 14

O., Cincinnati—Cement—U. S. Engineer, furnishing 6,200 bbl. cement for Dams 34, 36 and 38, Ohio River, from Wellston Iron Furnace Co., Jackson, 2,000 bbl. at $2.78, and 4,200 bbl. at $2.67. Noted Mar. 13.

Mo., Liberty—Post Office—Treas. Dept. at office Supervising Architect, Wash., D. C., constructing post office here, from W. D. Lovell, 1415 S. E. 8th St., Minneapolis, Minn., $51,700.

CONTRACTS AWARDED

Pa., Phila.—Foundations—Bureau Yards & Docks, Navy Dept., Wash., D. C., permanent foundations for frame buildings at hospital here, to Kaufman Constr. Co., 219 North American Bldg., $2,437 (120 days). Noted Mar. 27.

Va., Hampton Roads—Breakwater Pier—Spec. 4944—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to north breakwater pier at Naval operating base here, to A. R. Masters Co., Inc., Bank of Hampton Bldg., Hampton, $11,220. Noted Mar. 27.

Texas—Dredging—U. S. Engineer, Galveston, dredging Sabine-Neches Waterway, to Gulf Refining Co., Port Arthur, $66,360. Noted Mar. 27.

Ore., Portland—Roads—C. H. Purcell, dist. engr., Bureau Pub. Wks., U. S. Dept. Agriculture, 316 New Post Office Bldg., Portland, 24.8 mi. Austin-Unity Natl. Forest Rd., in Grant and Baker Counties, to Bauers & Bauers, Dayton, Wash., $193,227. Noted Mar. 13.

Unclassified

PROPOSED WORK

Gas Pipe Line — Connecticut — Eastern Connecticut Power Co., Putnam, plans laying 9 mi. gas pipe line between Putnam and Danielson. Private plans.

Elimination of Grade Crossing — New York—State Hy. Dept., Albany, takes bids about May 15, eliminating grade crossing on Delaware & Hudson R.R. near Cantys Cut and constructing 0.6 mi. road, Saratoga Co. $85,000. A. W. Brand, comr.

Power Development—New York—International Paper Co., Glen Park, Watertown, had surveys made hydro-electric power development along Black River at several mill sites. To exceed $300,000.

Swimming Tank—Herkimer, N. Y.—F. Carroll, 500 North Main St., plans 60 x 200 ft., rein.-con. swimming tank in amusement park.

Heating System—Lackawanna (Buffalo P. O.), N. Y.—See "Buildings."

Tunnels—Trenton, N. J.—Philadelphia & Reading R.R., Reading Terminal, Phila., plans tunnels at Hillcrest and Edgemere Aves., here. $70,000. S. T. Wagner, ch. engr.

Transmission Line—West Virginia—West Pennsylvania Power Co., West Pennsylvania Bldg., Pittsburgh, Pa., plans transmission line from Parkersburg to Woodlawn. To exceed $25,000.

Gas Mains — St. Petersburg, Fla. — See "Industrial Works."

Sea Wall — Waveland, Miss. — Hanover Co. voted $225,000 bonds sea wall. Noted Mar. 13.

Extension to Telephone Lines—Shreveport, La.—See "Buildings."

Transmission Line — Kentucky — Louisville Gas & Electric Co., 311 West Chestnut St., Louisville, plans 41 mi. transmission line from Louisville to Madison, Ind. To exceed $50,000. L. Strong, c/o owner ch. engr.

Subway—Ashtabula, O.—New York Central R.R., c/o G. C. Cleveland, ch. engr., West 3rd St. and St. Clair Ave., Cleveland, having plans prepared rein.-con. subway, 4 tracks, 56 ft. span, here. $400,000. C. F. Mayer, c/o owner, engr. grade separations.

Retaining Wall—Cleveland, O.—Pennsylvania Co., 5716 Euclid Ave., had plans prepared 5,000 cu.yd. retaining wall, 250,000 cu.yd. dirt fill, and 900 ft. steel trestle. B. A. Noore, 5716 Euclid Ave., engr.

Subway—Conneaut, O.—New York Central R.R., c/o G. C. Cleveland, ch. engr., West 3rd St. and St. Clair Ave., Cleveland, having plans prepared rein.-con. subway, 4 tracks, 56 ft. span, here. $400,000. C. G. Mayer, c/o owner, engr. grade separations.

Grand Stand—Milwaukee, Wis.—State Fair Bd., O. E. Remey, sec., having plans prepared 650 ft. rein.-con. grand stand, 30 rows seats, 15,000 seating capacity, at State Fair Grounds. $30,000-$50,000. A. Peabody, Capitol, Madison, engr.

Electric Lighting System — Glencoe, Minn.—City having preliminary plans prepared electric lighting system . $100,000. R. W. Richardson, 301 Zenth Bldg., St. Paul, engr.

Athletic Field—Clayton, Mo.—See "Buildings."

Underpasses — Dallas, Tex. — Southern Pacific R.R., Southern Pacific Bldg., Houston, plans 2 concrete underpasses at White Rock reservoir. $50,000. Under supervision E. A. Kingsley, city engr. acting for city of Dallas.

Harbor Improvements — Long Beach, Calif.—Plans to vote on $5,000,000 bonds, harbor improvements, incl. wharves, repairs to existing wharves, dredging and reclaiming 1,371 acres on harbor front.

Hydro-Electric Development — Oroville, Calif.—Feather River Power Co., Hobart Bldg., San Francisco, having plans prepared 7 storage dams, concrete constant angle arch design; 2 large tunnels, total length 8 mi.; 70,000 to 80,000 hp. power house; 30 mi. roads, near here. From $10,000,000 to $12,000,000. Private plans.

Park Improvements—Richmond, Calif.—City plans to vote on $200,000 bonds, parking and boating center on lagoon east of Washington School. Involves considerable dredging. H. D. Chapman, city engr.

Grain Elevator—Halifax, N. S.—Dept. Trade & Commerce, Ottawa, calls plans grain elevator, here. $200,000. R. C. Wright, c/o Dept. Pub. Wks., Ottawa, archt.

Grain Elevator—Edmonton, Alta.—Dept. Trade & Commerce, Ottawa, calls plans grain elevator, here. $1,000,000. R. C. Wright, c/o Dept. Pub. Wks., Ottawa, archt.

BIDS DESIRED

Power Development—Morrisville, Vt.—Apr. 17, by Water and Light Comrs., power development, Station 2, incl. dam, forebay, penstock lines, and power house, etc.; adv. E. N.-R. Apr. 3. Noted Nov. 1.

Transmission Line—New York — Apr. 16, by H. C. Kurblanck, Bolton Landing, 22 mi. transmission line with 6 mi. distribution lines from Bolton to Chestertown, Harrison and Pottersville. $50,000. Utilities Eng. Co., Inc., 467 Bway., Albany, engrs.

Heating and Ventilating Apparatus — Brooklyn, N. Y.—Apr. 14, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., heating and ventilating apparatus in James Madison High School, Bedford Ave. from Ave. P to Quentin Rd., for Bd. Educ., 500 Park Ave., New York City.

Fire Alarm System—Middletown, N. Y.—Apr. 23, by State Hospital Comm., Albany, fire alarm system in Middletown State Homeopathic Hospital, here. S. W. Jones, Albany, state archt.; adv. E. N.-R. Apr. 3.

Heating and Ventilating Apparatus—New York, N. Y.—Apr. 14, by W. H. Gompert, supt. School Buildings, Flatbush Ave., extension and Concord St., Brooklyn, heating and ventilating apparatus in P. S. 93, 100th St. between Exterior St. and 1st Ave. extending through to East 99th St., also in James Monroe High School, Boynton Ave. from East 172nd to East 173rd Sts., here, for Bd. Educ., 500 Park Ave.

Subway Entrance—New York, N. Y.—Apr. 16, by Transit Comn., 49 Lafayette St., additional entrance to Canal St. Sta. (Loop Line) of Bway.-4th Ave. Rapid Transit R.R. G. McAneny, chn.

Electric Light Improvements—Metropolis, Ill.—See "Waterworks."

Electric Light Distributing System—Fredonia, Kan.—See "Industrial Works."

Underpass — Dallas, Tex. — Apr. 14, by Dallas Co., and St. Louis and Southwestern R.R., underpass and paving roadway, concrete, at Lemmon Ave. $60,000. Nagle Witt & Rollins, Court House, engrs.

BIDS RECEIVED

Grandstand—Norristown, Pa.—J. B. Long, engr., Boyer Arcade, 61 x 92 ft. rein.-con. grandstand for Bd. Educ., here, from Anthracite Bridge Co., 30 Genat St., Scranton, $51,200.

Lighting System—Long Beach, Calif.—Lighting systems on 4th and Magnolia Sts., from Osborn Electric Co., Pasadena, $19,555 and $28,574 respectively.

Street Lighting System—Los Angeles, Calif.—Electroliers in Brooklyn Ave. between Evergreen and Kearney Sts., from H. H. Walker, 1800 West 12th St., $44,818.

CONTRACTS AWARDED

Heating and Ventilating Apparatus — Flushing, N. Y.—Bd. Educ., 500 Park Ave., New York, heating and ventilating apparatus in P. S. 107, Franconia Ave., Upper Flushing, here, to Gillis & Geoghegan, 537 West Bway., New York, $114,200. Noted Mar. 20.

Heating and Ventilating Apparatus — New York, N. Y.—Bd. Educ., 500 Park Ave., heating and ventilating apparatus in George Washington High School, Audubon Ave., to Almirall & Co., Inc., 1 Dominick St., $298,621; P. S. 79, East 181st St., and P. S. 70, Weeks Ave., to T. F. Hall Inc., 405 Lexington Ave., $116,590 and $136,150 respectively; P. S. 120, Broome St., to H. Starkman & Bros., 1482 2nd Ave., $2,786. Noted Mar. 20.

Heating and Ventilating Apparatus — Richmond Hill (branch of Jamaica), N. Y.—Bd. Educ., 500 Park Ave., New York, heating and ventilating apparatus in P. S. 108, Suwanee Ave., here, to Gillis & Geoghegan, 537 West Bway., New York, $114,700. Noted Mar. 20.

Power and Lighting System—Annapolis, Md.—State Rds. Comn., Baltimore, electric wiring and power equipment for Severn River Bridge, near here, to Imbach, Wozny & McCoy, Knickerbocker Bldg., $15,355. Former contract rescinded. Noted Mar. 20.

Storage Bins — Salina, Kan. — Robinson Milling Co., 6 concrete storage bins, 200,000 bu. capacity, to Stone Eng. Co., Merchants-Exch. Bldg., St. Louis, Mo. Est. cost $50,000.

Unclassified (Continued)

Pier—San Diego, Calif.—City, Contr. D for Pier 2, incl. concrete and pile foundations for shed, grading, concrete walls for center track depression, railroad tracks on pier and approaches, drainage system, concrete paving on south half of pier, etc., (city to furnish cement and track material) to R. E. McKee, 1616 Texas St., El Paso, Tex., $72,760.

Tunnels — California — Southern Pacific R.R. Co., 65 Market St., San Francisco, one 310 ft. and one 699 ft. concrete lined tunnel, near Yuba Pass, also one 2 mi. tunnel at Summit, Sierra Route, to Utah Constr. Co., Phelan Bldg., San Francisco, who sublet Yuba Pass tunnels to J. M. De Lucca, 5500 Kales Ave., Oakland. Noted Jan. 17.

Electrolier System—Fresno, Calif.—City Council, 258 electroliers on portion Ventura, Mono, Inyo, G Sts., etc., to Valley Electrical Supply Co., 1817 Tulare St., $53,480. Noted Mar. 13.

Lighting System — Huntington Beach, Calif.—See "Streets and Roads."

Traveling Conveyors—Sacramento, Calif.—See "Buildings."

Wharf—Ontario—Dept. Pub. Wks. Provincial Government, Ottawa, extension to wharf at Pelee Island, to E. Conroy, Peterboro, $32,758.

Grain Elevator—Edmonton, Alta.—Dept. Trade & Commerce, Parliament Bldg., Ottawa, Ont., 2,500,000 bu. grain elevator, to Carter & Aldinger, Union Bank Bldg., Winnipeg, Man. Noted Jan. 10.

Grain Elevator—Vancouver, B. C.—Terminal Grain Co., 207 Hastings St. W., 2,000,000 bu. grain elevator, 10 story workhouse, forty 18 x 100 ft. bins, to Pacific Constr. Co. Ltd., 510 Hastings St., $2,500,000.

Clearing Right of Way—British Columbia—British Columbia Electric Ry. Co., 425 Carroll St., Vancouver, clearing 13 mi. power line right of way 100 ft. wide, from Stave Falls to north end of Alouette Lake, to Montizambest & Rolston, 510 Hastings St. W., Vancouver, $50,000.

Material and Equipment

PROPOSED WORK

Paving Stone, etc. — Buffalo, N. Y. — Commissioner Pub. Wks., rejected bids Mar. 7, paving stone, curbing, sand, gravel and crushed stone for street repairs during 1924. Noted Mar. 20.

Truck and Snow Plow—Frankfort, N. Y.—Town Bd. plans to purchase 10 or 12 ton truck and snow plow. $6,000-$7,000.

Paving Materials—St. Paul, Minn.—H. W. Austin, city purch. agt., rejected bids Mar. 11, paving materials for various streets, 86,428 sq.yd. 3-in. vertical fibre brick, portland cement, etc. Noted Mar. 6.

Traveling Crane—Calif., Loyalton—See "Industrial Work." P. W.

Traction, etc.—Montreal, Que.—Montreal Light, Heat & Power Co., Craig St. W., plant to purchase small tractor, for hauling 20 in. pipe, traveling derrick and trench back filler.

Street Sweeper—Niagara Falls, Ont.—Plans to purchase street sweeper. $8,500.

BIDS DESIRED

Brick—Providence, R. I.—Apr. 7, by City Clerk, 400,000 hard body bricks.

Shovel—Gardner, Mass.—F. W. Proctor, City Supt. Highways, in market for steam or gasoline power shovel.

Road Roller and Scarifier, etc.—Holyoke, Mass.—Apr. 8, by Bd. Pub. Wks., steam road roller and scarifier, also 21E full caterpillar paver. G. Stone, asst. clk.

Sand, etc.—Brooklyn, N. Y.—Apr. 9, by E. Riegelman, boro pres., Boro Hall, 5,000 cu.yd. paving and concrete sand; 4,000 cu.yd. 1½ in. gravel or 4,000 cu.yd. 1½ in. broken stone; 400,000 gal. asphaltic road oil for cold application delivered by rail to any or all railroad stations as engineer may direct; 300,000 gal. asphaltic cement for sheet asphalt and bituminous concrete mixtures, A, in liquid form; 7,000 cu.yd. asphalt sand; 1,400 net tons limestone and other suitable inorganic dust; 250 tons paving pitch; 3,000 cu.yd. binder stone; 50,000 asphalt paving blocks, 2½ in. deep; 50,000 wood paving blocks.

Bitumen Top Dressing—Buffalo, N. Y.—Apr. 8, by Commissioner Pub. Wks., Municipal Bldg., bitumen top dressing for macadam roads during 1924. C. E. P. Babcock, Municipal Bldg., engr.

Road Material—Buffalo, N. Y.—Apr. 7, by T. H. McElvein, Jr., purch. agt. Erie Co. Highway Dept., various road building materials.

Lumber, etc.—New York, N. Y.—Apr. 7, by E. W. Buckley, comr. Purchase, Municipal Bldg., lumber and piles; also machinery and steel for North Channel bridge, to Dept. Plant & Structures.

Paving Blocks—New York, N. Y.—Apr. 9, by E. W. Buckley, comr. Purchase, Municipal Bldg., granite paving blocks, sand, broken stone and portland cement to Dept. Plant & Structures and Parks-Queens.

Snow Plows—New York, N. Y.—Apr. 4, by E. W. Buckley, comr. Purchase, Municipal Bldg., snow plows, parts and chain, to Dept. Street Cleaning.

Oil, etc.—Trenton, N. J.—Apr. 12, by City Comn., oil, etc., for streets. $20,000. J. E. English, City Hall, engr.

Bituminous Penetration Material—Harrisburg, Pa.—Apr. 9, by Dept. Highways, bituminous penetration material for 1924.

Concrete Mixer—Lewistown, Pa.—Apr. 7, by Boro. Council, power concrete mixer, between 5 and 10 cu.ft. capacity.

Cement—Alabama—Apr. 17, (extended date) by State Hy. Comn., Montgomery, 66,000 bbl. Portland Cement in cloth bags and 66,000 bbl. in paper bags, f.o.b. railroad cars at points on Louisville & Nashville R.R. Federal Aid Project 100. Noted Mar. 6.

Coal Machinery—Allais, Ky.—Columbus Mining Co., 332 South Michigan Ave., Chicago, in market for coal handling machinery, etc., in connection with development of mines, here.

Street Sweepers, etc.—Cleveland, O.—Apr. 11, automatic street sweepers and tractors for Div. Street Cleaning.

Road Oil, etc.—Milwaukee, Wis.—Apr. 7, by Central Bd. Purchases, City Hall. (1) 400,000 gal. medium light surfacing oil (2) 500,000 gal. light bituminous (3) 200,000 gal. medium tar (4a) 150,000 gal. heavy tar (4b) 100,000 gal. heavy tar.

Culverts — Buffalo, Minn. — Apr. 8, by Wright Co., corrugated metal and sectional concrete culverts, various sizes, for 1924 season. C. E. Stahl, Buffalo, engr.

Bucket Loaders — Minneapolis, Minn. — Apr. 8, by F. S. Gram, city purch. agt., 2 gasoline operated bucket loaders for gravel. Former bids rejected. N. W. Elsberg, city engr. Noted Feb. 28.

Fordson Tractors—St. Paul, Minn.—Apr. 8, by H. W. Austin, city purch. agt., 10 Fordson tractors. G. M. Shepard, city engr.

Cedar Blocks, etc.—Kansas City, Mo.—Kansas City Ry. Co., 1500 Grand Ave., in market for cedar blocks for repaving 100,000 yd. streets, also steel rails for car tracks. To exceed $400,000. G. B. Buffee, mgr.

Road Maintainer—Houston, Tex.—Apr. 14, by auditor Harris Co., one road maintainer. Howe & Wise, co. engrs.

Roller — Mineral Wells, Tex. — McClung Constr. Co. taking bids 10 ton roller, steam or gasoline.

BIDS RECEIVED

Bituminous Material—Albany, N. Y.—A. W. Brandt, comr. highways, Mar. 28, bituminous material, all divisions, 1 to 9 inclusive, from Standard Oil Co. of New York, 26 Bway., New York City, Contr. 1, Material "A," cut back, barrels in car load lot $0.1523, surface treatment tank car lot $0.1098, total $385,227, Contr. 2, Material "A," penetration method, tank car lot $0.0713, barrels car load lot $0.1074, total $114,924, Contr. 3, Material "A," hot application, tank car lot $0.0778, cold application, tank car lot $0.0723, total $39,439; from Barrett Co., 17 Battery Pl., New York City, Contr. 4, Material "T," penetration method, tank car lot $0.1036, barrels car load lot $0.1497, cut back, barrels car load lot $0.189, total $47,477, Contr. 5, Material "T," hot application, tank car lot $0.1035, cold application, tank car lot $0.103, barrels car load lot $0.155, total $298,971, Contr. 7, Material "T," cold application, tank car lot $0.103, total $25,750; from L. L. Gowdy, Contr. 6, Material "A," Emulsion, barrels car load lot $0.1535, total $144,367, Contr. 7, Material "T," liquid Trinidad asphalt, tank car lot $0.095, total $23,750. Noted Mar 20.

ROAD IMPROVEMENT—BLOOMFIELD, N. J.

Bids were opened by Bd. Freeholders of Essex Co., Newark, Feb. 8, for grading and paving Bay Ave. from Broad St., Bloomfield, to Glen-Ridge Montclair line, from (A) Franklin Contg. Co., 20 Washington Pl., Newark (awarded contract); (B) Jannarone Contg. Co., 225 Passaic Ave., Belleville; (C) Standard Bitulithic Co., 50 Church St., New York. The unit bids were as follows:

	A	B	C
3,500 cu.yd. earth excavation	$1.15	$1.25	$1.40
4,850 sq.yd. granite block, cement grouted on 6 in. portland cement concrete base	7.55	7.495	7.50
5,500 sq.yd. 3 in. sheet asphalt on 6 in. portland cement concrete base	3.50	3.58	3.43
200 lin.ft. blue stone header	1.80	1.50	1.50
11 manholes rebuilt	30.00	50.00	50.00
11 catch basins	75.00	100.00	130.00
100 lin.ft. granite header	2.50	1.75	2.00
6 capping monuments	14.00	9.00	11.00
1 cu.yd. extra rock excavation	5.00	5.00	5.00
1 cu.yd. extra concrete	12.00	12.00	12.00
Extended totals	$61,759	$62,612	$62,703

Tractor—Benson, Minn.—Swift Co., Mar. 19, 1 gas tractor, Crawler type, 40- to 60-hp., from Holt Mfg. Co., 417 Washington Ave. N., Minneapolis, $6,250 (factory); W. H. Ziegler Co., 425 South 5th St., Minneapolis, and Minneapolis Equipment Co., 309 South 5th St., Minneapolis, both $6,250 f.o.b. Benson. Noted Feb. 7.

CONTRACTS AWARDED

Steam Boiler Ashes—New York, N. Y.—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., 4,000 cu.yd. hard coal clean steam boiler ashes, to Ames Building Material Co., 3437 Kingsbridge Rd., $4,760. Noted Mar. 13.

Brick, Cement, etc.—Kissimmee, Fla.—Osceola Co., material for 7½ mi. road, to Southern Clay Mfg. Co., Volunteer State Life Bldg., Chattanooga, Tenn., 32,300 sq. yd. No. 2 brick $37 per 1,000 delivered, to Osceola Hardware Co., Kissimmee, 3,350 bbl. cement $3.31 bbl. delivered. County will build road.

Cement — Milwaukee, Wis. — For 10,000 bbl. cement, to Wauwatosa Fuel & Supply Co., Wauwatosa, $2.75 per bbl.; 10,000 bbl. cement, to Schneider Fuel & Supply Co., 1546 Forest Home Ave., Milwaukee, $2.6125 per bbl. Noted Mar. 20.

Paving Materials—Minneapolis, Minn.—F. S. Gram, city purch. agt., to Purington Paving Brick Co., Galesburg, Ill., 1,500,000 vitr. paving brick $40.32 per M.; to Barrett Co., 1 19th Ave. S., 600 tons paving pitch $22.10 per ton in tank cars (cold) and $23.02 in trucks (hot), 600 tons refined tar $0.1095 per gal. in tanks (cold), $0.1149 in tank wagons (hot) and $0.1495 in tank cars (hot); to Trap Rock Co., Bway. and K St. N. E., 11,500 tons traprock $1.25 for ¼-in., $2 for ⅜-in. to 1½-in., $2.25 for ½- to ⅝-in., f.o.b. Dresser Junction, Wis.

Paving Mixer—St. Paul, Minn.—H. W. Austin, city purch. agt., gasoline power paving (concrete) mixer, non-tilting type, for Water Dept., to Austin Mchy. Corp., Dorr St. along tracks New York Central Ry., Toledo, O., $5,500. Noted Mar. 13.

Stone Crusher, Road Roller, etc.—Minneapolis, Minn.—F. S. Gram, city purch. agt., stone crusher to W. H. Ziegler Co., 425 South 5th St., $1,715 for Cedar Rapids jaw-crusher; gasoline driven road roller, to Huber Mfg. Co., 500 Washington Ave. N., $4,600 ($500 allowance granted on old machine). Noted Feb. 28.

Clamshell Bucket and Cement Sidewalk Tile—St. Paul, Minn.—H. W. Austin, city purch. agt., 2,000 cement sidewalk tile 18-in. square, and ten thousand 24-in. square, to Belvidere Cast Stone Co., 501 Concord St., $0.22 and $0.325 each respectively; clamshell bucket for Dept. Pub. Wks., to T. W. Rosholt Co., 421 South 5th St., Minneapolis, $588. Noted Mar. 6.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: April 23.

State Hospital Work

Central Islip, N. Y.

Sealed proposals for Construction, Heating, Sanitary and Electric Work—Cottages Nos. 4, 5, 6 and 7 (Cottages for Senior Assistant Physicians), Central Islip State Hospital, Central Islip, N. Y., will be received by the State Hospital Commission, until 3 o'clock P.M. on Wednesday, April 23, 1924, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit consisting of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York, or money, equal to five per cent (5%) of the amount of the proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contract within thirty (30) days after official notice of award of contract and in accordance with the terms of Specifications Nos. 4251, 4252, 4253 and 4254. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the Central Islip State Hospital, Central Islip, N. Y., at the New York Office of the Department of Architecture, 18th Floor, Fuller Building, Broadway & 23rd St., and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, Sullivan W. Jones, Capitol, Albany, N. Y.

Dated: March 26, 1924.

Bids: April 23 and 24.

Highway Work

Harrisburg, Pa.

Pennsylvania Department of Highways, Harrisburg, Pa.—Bids will be received April 23, 1924, for construction of 12 projects, totaling 32 miles; also April 24, 1924, for construction of 11 projects, totaling 39 miles, construction to be either bituminous surface on a concrete base or reinforced concrete. Projects situated in the following counties:

Allegheny	Lehigh
Beaver	Luzerne
Bradford	Montgomery
Butler	Northampton
Carbon	Potter
Erie	Susquehanna
Fayette	Somerset
Huntingdon	Washington
Indiana	Westmoreland
Lackawanna	York

Full particulars upon application to P. D. Wright, Secretary of Highways, Harrisburg, Pennsylvania.

Bids: April 28.

Sewer

Providence, R. I.

Sealed proposals will be received at the City Clerk's Office, until 2:15 o'clock p.m., Monday, April 28, 1924, for building Manton District Sewer, Sect. No. 33, from Manton Village to present end of sewer near Glenbridge Avenue.

Plans and specifications may be obtained at the office of the City Engineer, City Hall.

By order of the Board of Contract and Supply.

JOSEPH H. GAINOR,
Mayor and Chairman.
EVERETT D. MILLER, Clerk.

Bids: April 11.

Pipe

Elizabeth, N. J.

SEALED PROPOSALS will be received by THE UNION COUNTY PARK COMMISSION at its office, 286 North Broad Street, Elizabeth, N. J., at 5.00 P.M., April 11th, 1924, for furnishing and delivering at Warinanco Park in Elizabeth and Roselle, N. J.

(A) 14,000 or more lineal feet of STANDARD DRAIN TILE 4 and 6 inches in diameter, also

(B) 12,000 or more lineal feet of CONCRETE SEWER PIPE varying in size from 6 to 18 inches including 50 or more "Y" branches of various sizes or

(ALTERNATE B) Same amount of CLAY SEWER PIPE.

SPECIFICATIONS for these materials may be examined at the above mentioned office.

Proposals to be considered must be submitted on forms supplied by the Engineer of the Commission and accompanied by a CERTIFIED CHECK for at least 10% of the amount of the bid in accordance with the specifications.

The Commission reserves the right to reject any or all bids, waive any or all informalities and award contracts either in part or as a whole as may be deemed best for the interest of THE UNION COUNTY PARK COMMISSION.

W. RICHMOND TRACY,
Engineer and Secretary.

Bids: April 23.

Electrical Equipment

CUSHMAN POWER PROJECT

Tacoma, Wash.

Sealed proposals will be received at the office of the Commissioner of Light and Water, Tacoma, Washington, between the hours of 12:00 M. and 2:00 P.M., April Twenty-third, 1924, for the manufacture and delivery of Electrical Equipment for the Cushman Power Project, consisting of 8—110,000 volt, 8—50,000 volt, 16—15,000 volt and 10—7,500 volt Oil Circuit Breakers; 18—110,000 volt, 123—15,000 volt and 60—7,500 volt Disconnecting Switches; Five Switchboards; 4—110,000 volt, 2—50,000 volt, 2—13,200 volt and 1—2,300 volt Lightning Arresters and Choke Coils; and accessories, in accordance with the Specifications therefor, copies of which may be obtained at this office by intending Bidders upon deposit of Twenty-five ($25.00) Dollars.

IRA S. DAVISSON,
Commissioner of Light & Water,
Tacoma, Washington

Bids: April 21.

Roads and Bridges

STATE OF NEW JERSEY
STATE HIGHWAY COMMISSION

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the following:

ROUTE NO. 10, SECTION NO. 1-A

Construction of Route No. 10, Section No. 1A, Arcadian Way to Fort Lee Ferry, in the County of Bergen. Estimated 18,400 sq.yds. double line reinforced concrete; 8,620 lin.ft. of Granite Curb.

ROUTE NO. 12, SECTION NO. 6

Construction of Route No. 12, Section No. 6, Port Colden to Stephensburg, in the County of Warren. Estimated 23,788 cu.yds. earth excavation; 64,810 sq.yds. double line reinforced concrete pavement; and including nine small span bridges.

OFFICIAL PROPOSALS

ROUTE NO. 12, SECTION NO. 7

Construction of Route No. 12, Section No. 7, Stephensburg to Hackettstown, in the County of Warren. Estimated 24,754 cu.yds. earth excavation; 50,302 sq.yds. double line reinforced concrete pavement; and including four small span bridges.

Bids for the above will be received at the offices of the State Highway Commission, 9th floor, Broad Street Bank Building, Trenton, New Jersey, on Monday, April 21st, 1924, at twelve o'clock noon (12:00 Noon), Standard Time, and will be opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of Ten Dollars ($10.00) for each project upon application to the State Highway Department, Room No. 901, Broad Street Bank Building, Trenton, New Jersey. Bids must be made on the standard proposal forms in the manner designated in the 1924 specifications and must be enclosed in sealed special addressed envelopes bearing the name and address of the bidder and name and section of the route on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelopes will be furnished on application. Bids not enclosed in special addressed envelopes will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a Statement of Equipment properly filled out.

By order of the State Highway Commission.

A. LEE GROVER, Secretary.

Bids: August 29, 1924.

QUEENSLAND GOVERNMENT

Twin Screw Trailing Suction Hopper Dredger

Brisbane, Queensland, Australia.

Tenders are invited until noon on Friday, 29th August, 1924, for the Construction and Delivery of a Twin Screw Trailing Suction Hopper Dredger for the Government of Queensland, Australia. Tenders should be enclosed in sealed envelopes endorsed "Tender for Dredger," and addressed to The Under Secretary, The Treasury, Brisbane, Queensland, Australia. General Specification and Conditions of Contract may be obtained by intending contractors at the Offices of the High Commissioner for Australia, 44 Whitehall Street, New York. Tenders should be on the form attached to the General Specification. The lowest or any tender will not necessarily be accepted.

J. H. STANLEY,
Acting Under Secretary.
The Treasury, Brisbane, Queensland,
15th February, 1924.